

حمل الآن

مجاناً وحصرياً

امتحانات رقم (1)

الترم الاول



1 Cairo Governorate**Eastern Nasr City Educational Zone****1 (A) Put (✓) or (X) :**

1. Tissue is a group of similar cells have the same function. ()
2. As thermal energy of the body increases, kinetic energy of its particles increases. ()
3. Animal cell is surrounded by a cell wall to protect it. ()

(B) Give reasons for :

1. We can't control the movement of heart muscle.
.....
2. Iron is a magnetic material.
.....

2 (A) Cross the odd word :

Battery – Switch – Paper – Lamp – Wire. (.....)

(B) Complete the following sentences :

1. is used to measure temperature.
2. is the building unit of living organisms.
3. Endocrine glands secrete
4. Electric circuits in houses are connected in way.

3 (A) Choose the correct answer :

Body gets rid of urine through the system.

- a. digestive b. nervous c. urinary d. circulatory

(B) Write the scientific term :

1. A tool which is used to open and close the electric circuit. (.....)
2. The part of the cell that controls cell division. (.....)
3. The increase in the size of a substance due to increasing its temperature. (.....)
4. A system that transports the digested food and oxygen to all body cells. (.....)

2

Cairo Governorate

Central Cairo Educational Zone

1 (A) Choose the correct answer :

1. A component of the cell that can store nutrients, water, and waste is known as
a. vacuole. b. cytoplasm. c. mitochondria.
2. All of the following are voluntary muscles in the human body, except
a. arm muscles. b. neck muscles. c. heart muscle.
3. The is the energy source in an electrical circuit.
a. wire b. battery c. switch

(B) What happens if ... ?

There is no gaps between railway tracks.

.....

2 (A) Put (✓) or (X) :

Bacteria are multicellular organisms.

()

(B) Answer the following questions :

1. Why is the kidney considered the main organ in the urinary system ?
.....
2. When you touch a hot cup of tea, how can heat transfer to your hand ?
.....

3 (A) Complete the following sentence :

A tissue is made up of a group of similar

(B) Answer the following questions :

1. What happens when one of the bulbs in a series circuit burns out ?
.....
2. What happens to the motion of particles in a substance when it is heated ?
.....

3**Cairo Governorate****Mokattam Educational Zone****1 (A) Put (✓) or (X) :**

1. Animal cells and plant cells are similar in their shape and structure. ()
2. Blood cells and proteins do not pass through nephrons. ()
3. The magnet attracts all materials. ()

(B) Give a reason for the following :

We feel hot when holding a hot cup of tea.

.....

2 (A) Complete the following using words in brackets :

The part of the cell responsible for generating energy is the
(golgi apparatus – mitochondria)

(B) Correct the underlined words :

1. A tissue is made up of a group of organs. (.....)
2. The transfer of heat by the movement of liquid and gas is called radiation. (.....)

3 (A) Choose the correct answer :

A magnet can be made from

- a. iron. b. copper. c. plastic. d. glass.

(B) Write the scientific term :

1. A tool used to open and close an electric circuit. (.....)
2. Materials that do not allow heat to pass through easily. (.....)

4**Cairo Governorate****Heliopolis Educational Zone****1 (A) Complete the following :**

1. When heating a substance, its molecules thermal energy and the motion of molecules

2. From the opposite figure :

The brain receives information from and sends a message to in your hand to move it.



3. From the opposite figure :

The energy changes
into energy, so it
attracts the iron nails.



(B) Give a reason for the following :

The electric wire is made of copper and is covered with plastic.

2 (A) Choose the correct answer :

Magnetic force is force(s), while gravitational force is
force only.

a. pulling – pulling and repulsion b. pushing – pulling and repulsion

c. pulling and repulsion – pulling

(B) What is the function of ...?

1. Nucleus :

2. Mitochondria :

3. Endoplasmic reticulum :

4. Cell membrane :

(C) Define :

1. Magnetic substances :

2. Excretion process :

3 (A) Put (✓) or (X) :

Electric circuits in homes are connected in parallel.

()

(B) Compare between :

1.	Point of comparison	Expansion	Contraction
	Intermolecular spaces :		

2.	Point of comparison	Kidneys	Stomach
	Function :		

5**Cairo Governorate****Shubra Educational Zone****1 (A) Put (✓) or (X) :**

1. Bacteria and horse are considered multicellular organisms. ()
2. Musculoskeletal system consists of muscular system and digestive system. ()
3. Copper, rubber and iron are magnetic materials. ()

(B) What happens if ...?

You touch a hot cup of tea. (according to the transfer of heat)

.....

2 (A) Choose the correct answer :

The tube which transports urine from the bladder to outside is called

- a. vein. b. esophagus. c. urethra. d. artery.

(B) Write the scientific term :

1. A mixture of rocks, sand and water which becomes hard after it dries. (.....)
2. A liquid in your mouth contains an enzyme which helps in the digestion process. (.....)

3 (A) Cross the odd word :

Iron – Copper – Aluminum – Wood. (.....)

(B) Answer the following questions :**1. Give a reason for the following :**

You feel the heat of the Sun although there is a space between the Sun and Earth.

.....

2. Mention the importance of :

Cell wall :

6**Giza Governorate****6th October Educational Zone****1 (A) Put (✓) or (X) :**

1. Cell wall is made up of cellulose. ()
2. Blood cells and proteins can pass through the kidney's nephrons. ()
3. Electricity is a form of energy. ()

(B) What happens to ...?

The state of glass when it is heated at very high temperature.

.....

.....

2 (A) Choose the correct answer :

The organ which is responsible for secreting insulin hormone is the

- a. gall bladder. b. pancreas. c. liver. d. stomach.

(B) Give reasons for :

1. Some electric circuits contain resistors.
-

2. Engineers use expansion joints in the designing of bridges.
-

3 (A) Cross out the odd word :

Cobalt – Copper – Nickel – Iron.

(.....)

(B) Write the scientific term :

1. The way by which heat is transferred through solids only. (.....)
2. The component of the cell that allows the substances to enter and exit it. (.....)

1 (A) Choose the correct answer for each of the following statements :

1. Heat transfers by convection in
 a. iron. b. water. c. space.
2. The liver stores sugar and converts it into
 a. protein. b. glycogen. c. fat.
3. helps in collecting and transporting proteins to build and repair cells.
 a. Nucleus b. Endoplasmic reticulum c. Mitochondria

(B) State the importance of each of the following :

1. Mitochondria :
2. Kidneys :

2 (A) Write the scientific term :

The state at which the temperature of two bodies becomes equal, and the heat transfer stops among them. (.....)

(B) Give reasons for the following :

1. The heart muscle is considered as an involuntary muscle.

.....

2. Iron is attracted to the magnet, while rubber is not attracted to the magnet.

.....

3 (A) Complete the following sentence :

The feature in the cell membrane controls the movement of materials in and out of the cell.

(B) Answer the following :

1. Compare between thermal expansion and thermal contraction.

Point of comparison	Thermal expansion	Thermal contraction
Definition :		

2. What happens when a bulb in a parallel circuit burns out while it is connected with other bulbs?

.....

8**Giza Governorate****Oseem Educational Zone****1 (A) Choose the correct answer :**

1. All the following living organisms bodies are built up of many cells, except

a. human. b. fish. c. plant. d. bacteria.

2. Diabetes disease occurs due to a disorder in an organ of the system.

a. respiratory b. nervous c. endocrine d. urinary

3. The is used to slow the flow of an electric current in the electric circuit.

a. switch b. battery c. resistor d. lamp

(B) Write the scientific term :

It is the increase in the size of a substance due to an increase in its temperature. (.....)

2 (A) Correct the underlined word :

Magnetism is a pulling or pushing force, while gravity is a pushing force only.
(.....)

(B) What happens ...?

1. If your body doesn't get rid of waste materials.
.....

2. To the mass of an amount of juice after freezing it.
.....

3 (A) Put (✓) or (X) :

Cell biologists are scientists who study cells.

()

(B) Give reasons for :

1. Blood cells and proteins can't pass through the kidney's nephrons.
.....

2. Expansion joints are used in the design of bridges.
.....

9**Giza Governorate****Omrana Educational Zone****1 (A) Choose the correct answer :**

1. All the following living organisms bodies are built up of many cells, except

a. human. b. fish. c. plant. d. bacteria.

2. The two kidneys play an important role in the filtration of inside your body.

a. water b. enzyme c. acid d. blood

3. The electric circuit contains a which is responsible for opening and closing the circuit.

a. battery b. switch c. lamp d. resistor

(B) What happens to ...?

The speed of molecules of a matter when it is heated.
.....

2 (A) Write the scientific term :

They are cell organelles that provide the cell with the needed energy. (.....)

(B) Put (✓) or (X) :

1. The heart muscle is considered a voluntary muscle. ()
2. Heat transfers from the hotter object to the cooler object. ()

3 (A) Give a reason for the following :

Plant cells can make photosynthesis process.

.....

(B) Cross out the odd word :

1. Iron – Copper – Nickel – Cobalt. (.....)
2. Conduction – Convection – Friction – Radiation. (.....)

10 Alexandria Governorate

East Educational Zone

1 (A) Complete the following :

1. The muscles are the muscles that move bones as they contract or relax.
2. The space of the cell is filled with a liquid called in which the other cell parts float.
3. The flow of electric charges through an electric conductor is called

(B) Give a reason for the following :

The thermal energy of water is more than the thermal energy of ice.

.....

2 (A) Put (✓) or (X) :

Nickel is a non-magnetic material. ()

(B) What happens when ...?

1. Touching a non insulated wire in a closed circuit with your hand.
-

2. Holding ice cube with your hand.
-

3 (A) Write the scientific term :

They are microscopic filters in the kidneys that remove harmful substances.

(.....)

(B) What is the importance of ...?

1. Selective permeability.

.....

2. Expansion joints in bridges.

.....

11**Alexandria Governorate****El-Montazah Educational Zone****1 (A) Choose the correct answer :**

- As a result of heat flow through metals, they
 a. expand. b. contract. c. get smaller. d. are not affected.
- Animal cells are similar to plant cells in the
 a. number of cells. b. presence of cell membrane.
 c. size of cells. d. shape of cells.
- The molecule is composed of very small particles called
 a. cells. b. atoms. c. mixtures. d. compounds.

(B) Give a reason for the following :

The handle of an electric iron is made of plastic.

.....

2 (A) Put (✓) or (X) :

One of the functions of the endoplasmic reticulum is helping in assembling proteins. ()

(B) Write the scientific term :

- The state of matter which changes into liquid by heating. (.....)
- They are muscles that you can control their movement. (.....)

3 (A) Cross out the odd word :

Human – Plant – Fish – Bacteria. (.....)

(B) Complete the following statements :

- Heat is transferred by in solid only.
- Cell biologists use to magnify very small cells.

12**Alexandria Governorate****Science Inspectorate****1 (A) Complete the following sentences :**

1. Some insects have a hard back called
2. The cells in the human body that can store and release energy quickly are
3. The hormone responsible for regulating the level of sugar in the blood is the hormone.

(B) Give a reason for the following :

Heat is not transferred between two bodies in contact and have the same temperature.

.....

2 (A) Put (✓) or (x) :

The gall bladder works on the chemical breakdown of food. ()

(B) 1. What happens if ... ?

A metal nail is placed in a closed electrical circuit containing a lamp.

.....

2. Cross out the odd word and give a reason :

Steam – Snow – Rocks – Glass.

- a. Odd word :
- b. Reason :

3 (A) Choose the correct answer :

Animal cells do not contain

- a. nucleus. b. cytoplasm. c. golgi apparatus. d. large vacuole.

(B) Write the scientific term :

1. The pattern formed by iron filings around a magnet. (.....)
2. The method of transferring heat from the Sun to the Earth. (.....)

13**Sharkia Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

1. system secretes hormones to control the body temperature and blood pressure.
- a. Digestive b. Endocrine c. Respiratory d. Urinary

2. By increasing the distance between objects, the force between them decreases.

- a. gravity b. kinetic c. friction d. pushing

3. The organelles which provide the cell with needed energy are.....

- a. nucleus. b. golgi apparatus. c. mitochondria. d. cell membrane.

(B) What is meant by ... ?

Thermal energy :

2 (A) Write the scientific term :

A component of the electric circuit that limits the flow of electric current.

(.....)

(B) What happen if ... ?

1. There is much water in the cell.

.....

2. You touch a hot metal spoon that is placed in a hot cup of tea.

.....

3 (A) Put (✓) or (X) :

Plastic is better than wood to make the handle of cooking pots.

()

(B) Give reasons for :

1. Cardiac muscle is considered as an involuntary muscle.

.....

2. Two kidneys contain nephrons.

.....

14 Menoufia Governorate

Tala Educational Zone

1 (A) Complete the following sentences :

1. The heat of the Sun reaches Earth by.....

2. When the toy car is at the top of the slide, it stores energy.

3. Stomach is composed of a group of different

(B) Give reasons for :

1. Cobalt and nickel are considered as magnetic materials.

.....

2. Cooking pots are made of aluminum.

2 (A) Put (✓) or (X) :

1. Involuntary muscles move automatically, so their movement can't be controlled. ()
2. The body organs that responsible for the excretion process are skin and organs of respiratory system only. ()
3. Digestive system and muscular system work together to allow the body movement. ()

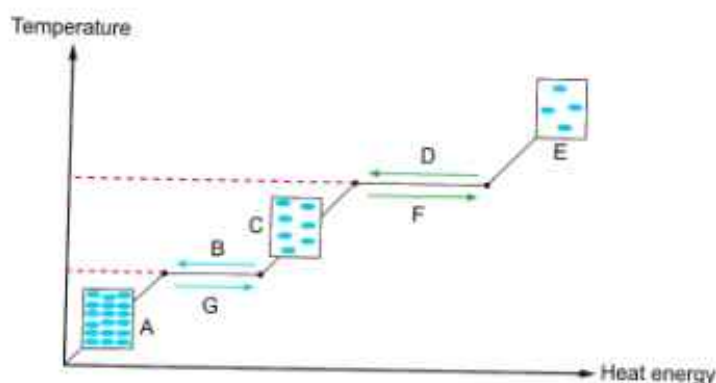
(B) Mention the importance of :

1. Generator :
2. Endoplasmic reticulum :

3 (A) Choose the correct answer :

1. Which of the following may not be a source of thermal energy?
 a. Electric iron. b. The Sun. c. The moon. d. Electric heater.
2. A cell that contains a cell wall and chloroplast is
 a. animal cell. b. plant cell. c. muscle cell. d. nerve cell.
3. The melting point of ice is °C
 a. 0 b. 100 c. 50 d. 30

(B) Look at the following figure which represents the change of state of matter then answer :



1. Matter (A) is in a state, while matter (.....) is in a gas state.
2. Define process (B) :

15 Gharbia Governorate**Gharbia Educational Zone****1 (A) Choose the correct answer :**

- Growth of a living organism results due to increasing the of cells.
a. length b. size c. number d. mass
- Your leg moves due to contraction and relaxation of that are connected to the bones of leg.
a. hairs b. toes c. skin d. muscles
- Magnets can be made up of
a. copper. b. glass. c. iron. d. plastic.

(B) Give a reason for the following :

The handle of cooking pot is made up of plastic or wood.

.....

2 (A) Put (✓) or (X) :

People whose kidneys are not working properly must use other devices to filter their blood from wastes. ()

(B) Answer the following questions :

- Give a reason for :** Engineers use expansion joints in the designing of bridges.
.....
- Mention** the two ways of electric circuit connections.
a.
b.

3 (A) Write the scientific term of the following :

A hormone that regulates the level of sugar in human blood. (.....)

(B) Answer the following questions :**1. What happens if ...?**

There are no chloroplasts in plant cells.

.....

2. Heat transfers from one place to another by three ways Mention two of them.

.....

16**Dakahlia Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

- The skeletal system takes nutrients from the system for growth of muscles.
a. excretory b. digestive c. nervous d. respiratory
- Onion cells differ from human cells in the presence of in its structure.
a. cell wall b. nucleus c. mitochondria d. cytoplasm
- All the following are magnetic materials, except
a. nickel. b. cobalt. c. iron. d. copper.

(B) Give reasons for :

- The size of a balloon decreases if it is subjected to cold weather?
.....

- Cooking pots are made up of aluminum, and their handles are made up of plastic.
.....

2 (A) Complete the following sentence :

Some substances can pass through nephrons such as , while other substances can not pass through nephrons such as

(B) Write the scientific term :

- The way by which the heat transfers through solid materials only. (.....)
- It occurs when heat transfer stops between two objects reaching the same temperature. (.....)
- The area around the magnet in which its force appears. (.....)
- It is the system that secretes hormones to control the body. (.....)

3 (A) Cross out the odd word :

Human – Fish – Plant – Bacteria.

(.....)

(B) Answer the following questions :**1. What happen ...?**

- When you hold a cup of hot tea in your hand.
.....

- To the mass of a piece of butter after melting.
.....

2. From the opposite figure. Answer :

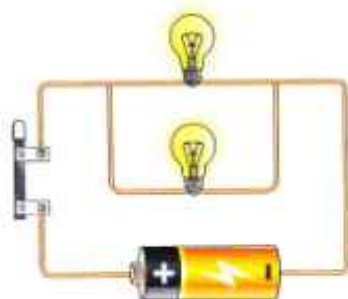


Figure (A)

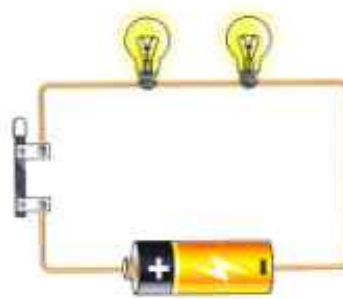


Figure (B)

- a. Which figure is a series circuit ?
- b. Which figure is a parallel circuit ?

17

Ismailia Governorate

Science Inspectorate

1 (A) Choose the correct answer :

- The organelle that provides the cell with its needed energy is
a. mitochondria. b. nucleus. c. cytoplasm. d. cell membrane.
- The device that is used to slow the flow of an electric current in an electric circuit is
a. battery. b. switch. c. electric resistor. d. electric lamp.
- All of the following help in the excretion process, except
a. skin. b. urinary system. c. lungs. d. digestive system.

(B) Give a reason for the following :

Glass and wood are bad conductors of heat.

.....

2 (A) Put (✓) or (X) :

Copper and aluminum are magnetic materials.

()

(B) Answer the following questions :

- What is the importance of a battery in the electric circuit.

.....

- Mention the method of heat transfer through gases and liquids.

.....

3 (A) Complete the following statement :

The Earth's gravity is affected by two factors which are and

(B) 1. What happens to ... ?

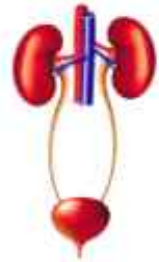
The space between molecules of matter if we heat it.

.....

2. Look at the opposite figure, then answer :

What is the function of this system ?

.....

**18****Suez Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

1. The cellulose forms the of the plant cell.

- a. cell membrane b. chloroplasts c. cell wall d. sap vacuole

2. Muscles of the stomach and muscles of the heart can be controlled by system.

- a. digestive b. circulatory c. nervous d. respiratory

3. are used to spin the magnet in the generator to produce electricity.

- a. Water and winds b. Light and sound
c. Electricity and sound d. Sound and heat

(B) What happens if ... ?

You hold a piece of frozen chocolate in your hand. (according to transfer of heat)

.....

2 (A) Put (✓) or (x) :

Heart muscle is considered as an involuntary muscle. ()

(B) Complete the following sentences :

1. is used to slow the flow of an electric current in the electric circuit.
2. Steel is made of a mixture of and other elements.

3 (A) Cross out the odd word :

Urine – Oxygen gas – Carbon dioxide – Sweat. (.....)

(B) Write the scientific term :

1. It is a gelatinous liquid which is found inside the cell. (.....)
2. The mass of a substance does not change when this substance changes from one state into another. (.....)

19**Port Said Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

1. The allows water to pass to and from the cell.
a. nucleus b. cell membrane c. cell wall d. cytoplasm
2. The surrounds plant cells to give them a definite shape.
a. cell wall b. chloroplast c. mitochondria d. nucleus
3. is from electrical insulators.
a. Iron b. Aluminum c. Wood d. Copper

(B) Mention the type of heat transfer :

Transfer of heat due to the movement of a liquid or gas.

.....

2 (A) Put (✓) or (x) :

When a light bulb connected in series burns out, all the other light bulbs are turned off. ()

(B) Give reasons for :

1. The human body is considered as an electric conductor.
-

2. All forms of matter contains thermal energy.
-

3 (A) Write the scientific term :

The building unit of living organisms. (.....)

(B) What happens if ...?

1. The distance between an object and Earth's center increases.
(according to the force of gravity)
-

2. You touch a hot cup of tea. (according to the transfer of heat)
-

1 (A) Choose the correct answer :

- The organelle which helps the plant cell to absorb the energy of sunlight to make the photosynthesis process is
a. sap vacuole.
b. chloroplast.
c. golgi apparatus.
d. endoplasmic reticulum.
- The internal switch in a can be used in the refrigerator to adjust its temperature.
a. battery
b. thermostat
c. light bulb
d. wall socket
- As a result of heat flow through metals, they
a. expand.
b. contract.
c. get smaller.
d. are not affected.

(B) What happens to ...?

The lungs, when the diaphragm muscle contracts.

2 (A) Correct the underlined words :

Decreasing the mass of a moving object on a ramp causes the increase of its speed.

(B) Give reasons for :

1. Electric wires are wrapped with plastic.

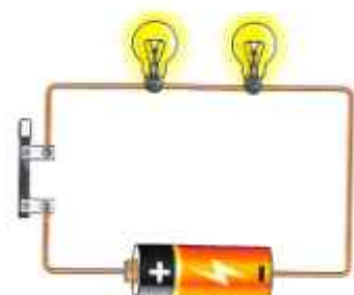
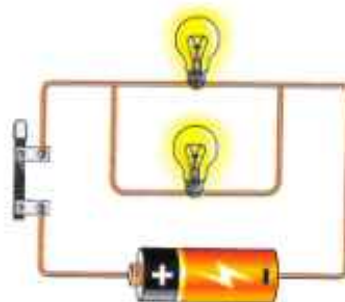
2. The liver and muscles convert the stored glycogen into glucose sugar.

3 (A) Put (✓) or (x) :

Bacteria and horse are considered as multicellular organisms.

(B) Compare between :

1. Figure (A) and (B) according to the type of connection.



2. Magnetic materials and non-magnetic materials.

.....

.....

21 Kafr El-Sheikh Governorate

Science Inspectorate

1 (A) Choose the correct answer :

- The volume of alcohol inside a thermometer by heating.
 - decreases
 - contracts
 - expands
 - doesn't change
- is considered as an electric conductor that can be attracted to the magnet.
 - Copper
 - Aluminum
 - Rubber
 - Iron
- All the following are excretory materials in the human body, except
 - carbon dioxide gas.
 - glucose.
 - urine.
 - sweat.

(B) What happens to ...?

The mass of a piece of chocolate after melting it.

.....

.....

2 (A) Put (✓) or (X) :

Mercury changes from a gas into a liquid at 357 °C. ()

(B) Write the scientific term of each of the following :

- The cell organelles that provide the cell with the needed energy. (.....)
- They are the muscles that you can control their movement. (.....)

3 (A) Cross out the odd word :

Dogs – Birds – Insects – Horses. (.....)

(B) Complete the following sentences :

- Heat transfers by through gases and space.
- The electric devices in houses are connected in a circuit.

22**Fayoum Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

- The tool that opens and closes the electric circuit is called
 a. wires. b. switch. c. light bulb. d. battery.
- The kidney is the main organ of the system.
 a. nervous b. urinary c. respiratory d. digestive
- The surrounds each cell, protects it and regulates what can enter it.
 a. cytoplasm b. plasma membrane
 c. cell wall d. nucleus

(B) Complete the following sentence :

The matter in the liquid state has volume and shape.

2 (A) Write what the following statement refers to :

The type of electric circuits that are found in houses. (.....)

(B) Give reasons for :

- You feel the heat of the Sun although there is a space between the Sun and Earth.

- The human body is considered as an electric conductor.

3 (A) Put (✓) or (X) :

The magnet attracts all materials. ()

(B) What happens if ... ?

- Object (A), which its temperature degree is 80°C touches object (B) which its temperature degree is 40°C .

- The distance between an object and Earth's center increases.

23

Minia Governorate

Minia Educational Zone

1 (A) Choose the correct answer :

- One of the materials that is considered as electric insulators is
 a. rubber. b. copper. c. aluminum.
- The control center in the cell that responsible for cell division, is
 a. mitochondria. b. nucleus. c. cytoplasm.
- One of the involuntary muscles is
 a. leg muscle. b. heart muscle. c. neck muscle.

(B) Mention the function of the following :

Thermometer :

2 (A) Correct the underlined word :

We get rid of sweat through the lungs. (.....)

(B) Give reasons for the following :

- Parallel connection way is preferred in homes.

.....

- Metals are used in making cooking pots.

.....

3 (A) Complete the following sentences :

The in the urinary system, filters the blood.

(B) What happens in the following cases ...?

- Absence of chloroplasts in plant cells.

.....

- Absence of tendons and ligaments in human.

.....

24**Sohag Governorate****Science Inspectorate****1 (A) Choose the correct answer :**

- Nephrons are
 - vessels that hold urine before it exits the body.
 - the place where urine exits the body.
 - microscopic units that filter blood and remove wastes from the body.
- One of the components of the cell that is similar to an electrical power station is
 - mitochondria.
 - cytoplasm.
 - chloroplast.
- The tool that is used to open and close the electric circuit is called
 - wire.
 - switch.
 - battery.

(B) Give a reason for the following :

Cookware is made of aluminum.

2 (A) Put (✓) or (x) :

Tissue is made up of a group of organs. ()

(B) Write the scientific term of each of the following :

- The measuring device of temperature. (.....)
- The system that secretes hormones stimulating the rest of the body systems to respond. (.....)

3 (A) Complete the following sentence :

The pattern that the iron filings make near the magnet shows its

(B) What happens ... ?

- When contraction of the front muscle in the upper arm and relaxation of the back muscle occurs.
.....
.....
- To an ice cube, when we heat it. (according to the mass of ice cube).
.....
.....

25**Matrouh Governorate****Matrouh Educational Zone****1 (A) Put (✓) or (X) :**

1. In animal cell, nucleus is responsible for cell division to form new cells. ()
2. Heart muscle is considered as voluntary muscle. ()
3. Both copper and aluminum are attracted to the magnet. ()

(B) What is meant by ...?

Freezing process :

2 (A) Choose the correct answer :

The electric generator converts energy to energy.

- | | |
|-----------------------|-----------------------|
| a. chemical – thermal | b. thermal – sound |
| c. sound – kinetic | d. kinetic – electric |

(B) Complete the following sentences :

1. Heat transfers through solid materials by, but it transfers through space by
2. Endocrine system consists of that secrete to control the human body activities.

3 (A) Write the scientific term :

The type of electric circuit in which all components are connected in different loops. (.....)

(B) Give reasons for :

1. You feel warm when you touch a hot cup of tea.

.....

2. Bacteria is considered from unicellular organisms.

.....

Final Examinations of Some Governorates

Cairo Governorate

1 Eastern Nasr City Educational Zone

- 1 (A) 1. (✓) 2. (✓) 3. (✗)

(B) 1. Because it is an involuntary muscle.
2. Because it is attracted to the magnet.

- 2 (A) Paper (all items are components of an electric circuit except paper).

(B) 1. Thermometer 2. The cell
3. hormones. 4. parallel

- 3 (A) c

(B) 1. Switch.
2. Nucleus.
3. Expansion.
4. The circulatory system.

2 Central Cairo Educational Zone

- 1 (A) 1. a 2. c 3. b

(B) Train accidents occur as a result of bending of tracks in hot weather.

- 2 (A) (✗)

(B) 1. Because it filters the blood, and remove waste materials from the body.
2. Heat transfers from the cup to the hand by conduction.

- 3 (A) cells.

(B) 1. The other light bulbs will turn off.
2. They will move faster.

3 Mokattam Educational Zone

- 1 (A) 1. (✗) 2. (✓) 3. (✗)

(B) Because heat transfers from the hot cup to the hand by conduction.

- 2 (A) mitochondria.

(B) 1. system 2. convection

- 3 (A) a

(B) 1. Switch.
2. Thermal insulators.

4 Heliopolis Educational Zone

- 1 (A) 1. gain – becomes faster.
-
2. the hand – the muscles
-
3. electric – magnetic

(B) Because copper is an electric conductor that allows electric current to flow through, while plastic is bad conductor of electricity to protect people from electric shock.

- 2 (A) c

(B) 1. It controls formation of proteins and cell division.
2. They provide the cell with the energy it needs by converting sugar inside the cell into energy through cellular respiration.

3. It helps in assembling and transporting proteins inside the cell to build and repair the cell.

4. It protects the cell, and controls the substances that can enter or leave the cell through the selective permeability feature.

(C) 1. They are substances that are attracted to the magnet.

2. It is the process through which the body gets rid of waste materials produced from cells.

3 (A) (✓)

(B) 1.

Point of comparison	Expansion	Contraction
Intermolecular spaces:	Increase.	Decrease.

2.

Point of comparison	Kidneys	Stomach
Function:	Cleaning and filtering the blood.	Breaking down of food.

5 Shubra Educational Zone

1 (A) 1. (✗) 2. (✗) 3. (✗)

(B) Heat transfers from the hot cup to the hand.

2 (A) c

(B) 1. Concrete. 2. Saliva.

3 (A) Wood (all items are electric conductors except wood is an electric insulator).

(B) 1. Because the heat transfers through the space by radiation.

2. It surrounds the plant cell to give it a definite shape.

Giza Governorate

6 6th October Educational Zone

1 (A) 1. (✓) 2. (✗) 3. (✓)

(B) It will change from solid state into liquid state.

2 (A) b

(B) 1. To slow the flow of electrons through an electric circuit to avoid the damage of its other components.

2. To keep bridges safe from buckling when they expand at high temperatures.

3 (A) Copper (all items are magnetic materials except copper is a non-magnetic material).

(B) 1. Conduction.

2. Cell membrane.

7 South Giza Educational Zone

- 1** (A) 1. b 2. b 3. b
 (B) 1. They provide the cell with the energy it needs by converting sugar inside the cell into energy through cellular respiration.
 2. They clean and filter the blood.

- 2** (A) Thermal equilibrium.
 (B) 1. Because it moves automatically and we can't control its movement.
 2. Because iron is a magnetic material, but rubber is a non-magnetic material.

- 3** (A) selective permeability
 (B) 1.

Point of comparison	Thermal expansion	Thermal contraction
Definition:	Increasing the volume of the matter due to increasing of its temperature.	Decreasing the volume of the matter due to decreasing of its temperature.

2. The other light bulbs will remain lit.

8 Oseem Educational Zone

- 1** (A) 1. d 2. c 3. c
 (B) Expansion.

- 2** (A) pulling
 (B) 1. The body will get sick.
 2. The mass will not change.

- 3** (A) (✓)
 (B) 1. Because they are too large to pass through the nephrons.
 2. To keep bridges safe from buckling when they expand at high temperatures.

9 Omrania Educational Zone

- 1** (A) 1. d 2. d 3. b
 (B) The speed of molecules will increase.

- 2** (A) Mitochondria.
 (B) 1. (✗) 2. (✓)

- 3** (A) Due to presence of chloroplasts in the plant cells.
 (B) 1. Copper (all items are magnetic materials except copper is a non-magnetic material).
 2. Friction (all items are ways of heat transfer except friction).

Alexandria Governorate

10 East Educational Zone

- 1** (A) 1. skeletal 2. cytoplasm
 3. electric current.
 (B) Because the thermal energy of a substance is the total sum of the kinetic energy of its molecules and atoms, that is greater in water than in ice.

2 (A) (✗)

- (B) 1. The electric current will flow through the body causing electric shock.
2. Heat transfers from the hand to the ice.

3 (A) Nephrons.

- (B) 1. Controlling the substances that can enter or leave the cell.
2. Keep the bridges safe from buckling when they expand at high temperatures.

11 El-Montazah Educational Zone

1 (A) 1. a 2. b 3. b

- (B) Because plastic is a thermal insulator that resists heat to transfer through it.

2 (A) (✓)

- (B) 1. Solid state.
2. Voluntary muscles.

3 (A) Bacteria (all items are multicellular organisms except bacteria are unicellular organisms).

- (B) 1. conduction
2. microscopes

12 Science Inspectorate

1 (A) 1. exoskeleton.
2. muscle cells.
3. insulin

- (B) Because the two bodies are at thermal equilibrium.

2 (A) (✓)

- (B) 1. The lamp will light up.
2. a. Steam.
b. All items are examples of solid matter except steam is an example of gas matter.

3 (A) d

- (B) 1. Magnetic field.
2. Radiation.

Sharkia Governorate

13 Science Inspectorate

1 (A) 1. b 2. a 3. c

- (B) It is the total sum of kinetic energy of molecules and atoms of a substance.

2 (A) Electric resistor.

- (B) 1. The cell will swell until it bursts.
2. Heat transfers from the spoon to the hand.

3 (A) (✓)

- (B) 1. Because it moves automatically and we can't control its movement.
2. Because they filter the blood and remove harmful substances from the body.

Menofia Governorate**14 Tala Educational Zone**

- 1 (A) 1. radiation. 2. potential
3. tissues.
(B) 1. Because they are attracted to the magnet.
2. Because it is good conductor of heat.

- 2 (A) 1. (✓) 2. (✗) 3. (✗)
(B) 1. It changes mechanical energy into electrical energy.
2. It helps in assembling and transporting proteins inside the cell to build and repair the cell.

- 3 (A) 1. c 2. b 3. a
(B) 1. solid – E
2. It is the change of state of matter from liquid state to solid state.

Gharbia Governorate**15 Gharbia Educational Zone**

- 1 (A) 1. c 2. d 3. c
(B) Because they are bad conductors of heat.

- 2 (A) (✓)
(B) 1. To keep the bridges safe from buckling when they expand at high temperatures.

2. a. Series connection.
b. Parallel connection.

- 3 (A) Insulin hormone.
(B) 1. Plant cells cannot make photosynthesis process.
2. Conduction – Convection

Dakahlia Governorate**16 Science Inspectorate**

- 1 (A) 1. b 2. a 3. d
(B) 1. Because the air inside the balloon contracts by cooling.
2. Because aluminum is a thermal conductor that allows heat to flow through, while plastic is a thermal insulator that doesn't allow heat to flow through.

- 2 (A) urea – protein.
(B) 1. Conduction.
2. Thermal equilibrium.
3. Magnetic field.
4. Endocrine system.

- 3 (A) Bacteria (all items are multicellular organisms except bacteria are unicellular organisms).
(B) 1. a. Heat transfers from the cup to the hand.
b. The mass will not change.
2. a. Figure (B)
b. Figure (A)

Ismailia Governorate**17 Science Inspectorate****1** (A) 1. a 2. c 3. d

(B) Because they don't allow heat to flow through.

2 (A) (✗)(B) 1. It is a source of electricity.
2. Convection.**3** (A) mass – distance.(B) 1. The space will increase.
2. It removes waste materials from the blood in the form of urine.**Suez Governorate****18 Science Inspectorate****1** (A) 1. c 2. c 3. a

(B) Heat transfers from the hand to the chocolate.

2 (A) (✓)(B) 1. Electric resistor
2. iron**3** (A) Oxygen gas (all items are waste materials except oxygen is not a waste material).(B) 1. Cytoplasm.
2. Law of conservation of mass.**Port Said Governorate****19 Science Inspectorate****1** (A) 1. b 2. a 3. c

(B) Convection.

2 (A) (✓)(B) 1. Because the human body contains a lot of water which is good conductor of electricity.
2. Because matter consists of molecules and atoms, and the thermal energy of matter is the total sum of kinetic energy of molecules and atoms.**3** (A) The cell.(B) 1. The gravity will decrease.
2. Heat transfers from the hot cup to the hand.**Damietta Governorate****20 Science Inspectorate****1** (A) 1. b 2. b 3. a

(B) The lungs take in the air rich in oxygen gas.

2 (A) Increasing(B) 1. Because plastic is an electric insulator that prevent electricity from moving from the metal wires into our hands.
2. To provide the body with its needed energy.

- 3 (A) (✕)
 (B) 1. Figure (A) shows parallel connection, figure (B) shows series connection.
 2.

Magnetic materials	Non-magnetic materials
They are materials that are attracted to the magnet.	They are materials that are not attracted to the magnet.
Ex: iron – nickel – cobalt.	Ex: wood – plastic – paper.

Kafr El-Sheikh Governorate

21 Science Inspectorate

- 1 (A) 1. c 2. d 3. b
 (B) The mass will not change.

- 2 (A) (✕)
 (B) 1. Mitochondria.
 2. Voluntary muscles.

- 3 (A) Insects (all items are living organisms that have bones except insects are living organisms that don't have bones).
 (B) 1. radiation 2. parallel

Fayoum Governorate

22 Science Inspectorate

- 1 (A) 1. b 2. b 3. b
 (B) fixed – variable

- 2 (A) Parallel circuits.
 (B) 1. Because the heat transfers through space by radiation.
 2. Because the human body contains a lot of water which is good conductor of electricity.

- 3 (A) (✕)
 (B) 1. Heat transfers from the hotter object (A) to the cooler object (B) until they reach the thermal equilibrium.
 2. The gravitational force decreases.

Minia Governorate

23 Minia Educational Zone

- 1 (A) 1. a 2. b 3. b
 (B) Measuring the temperature.

- 2 (A) the skin
 (B) 1. Because in parallel connection, if we turn off one of the devices, the other devices will continue to work.
 2. Because metals are good conductors of heat.

- 3 (A) kidney
 (B) 1. Plant cells can't make photosynthesis process.
 2. The body movement will be difficult.

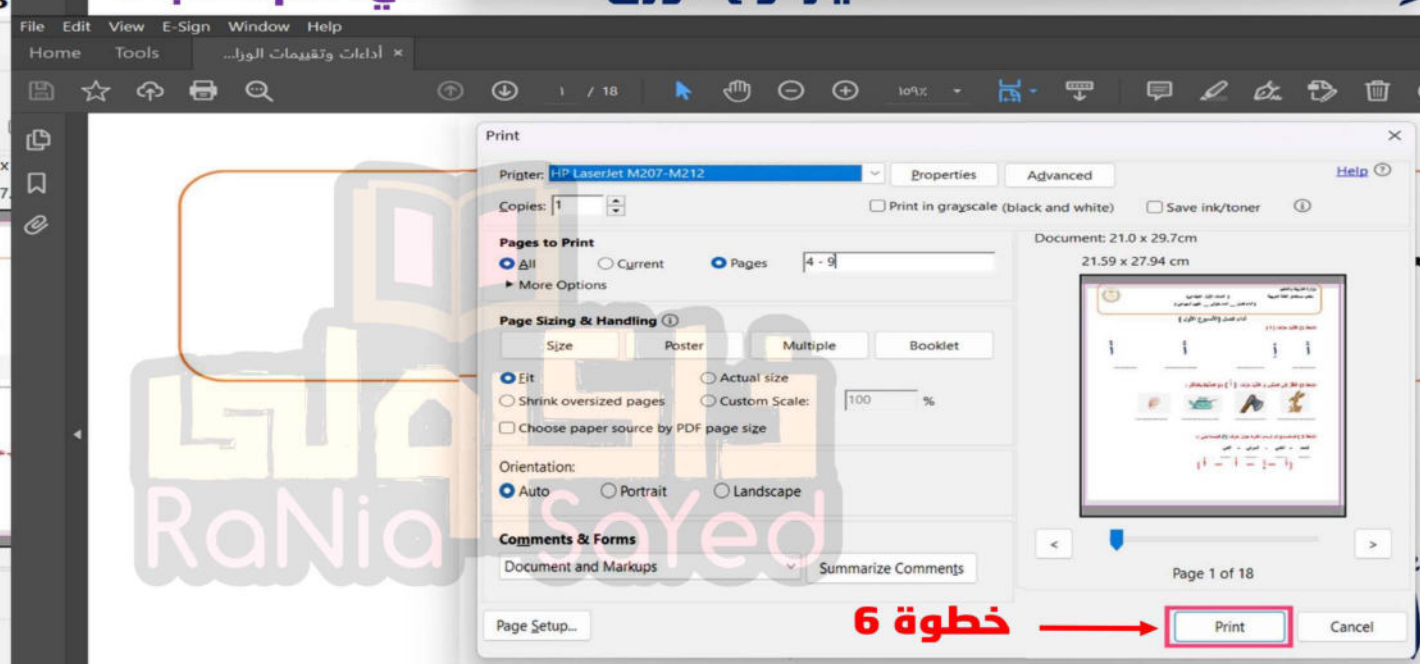
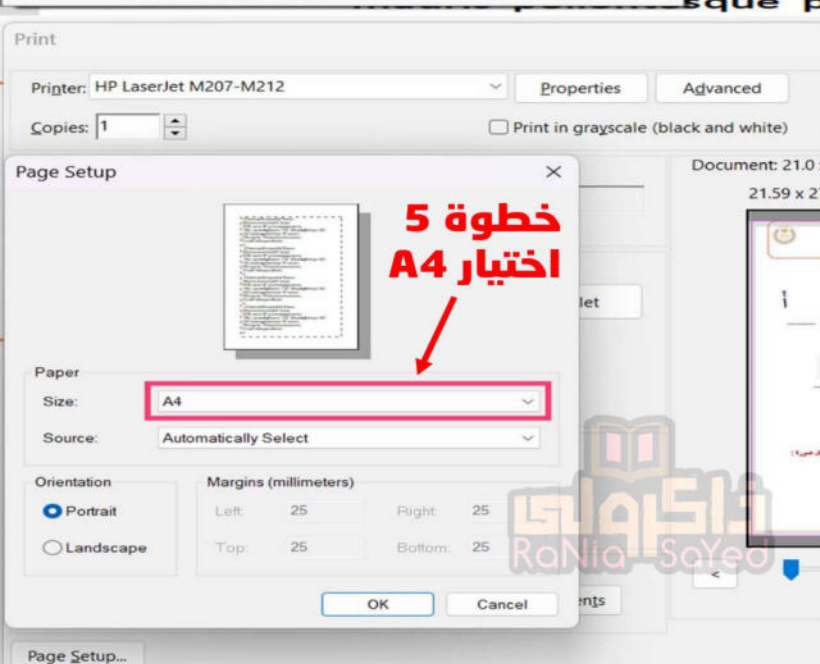
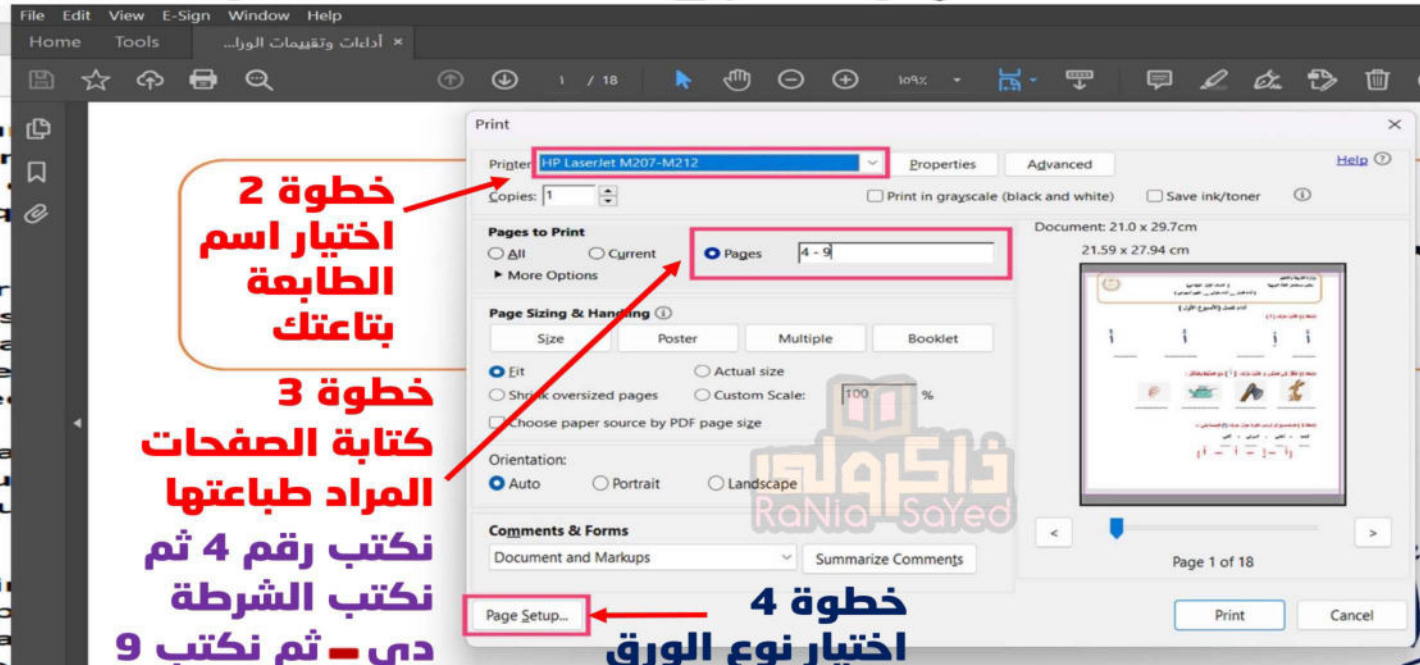
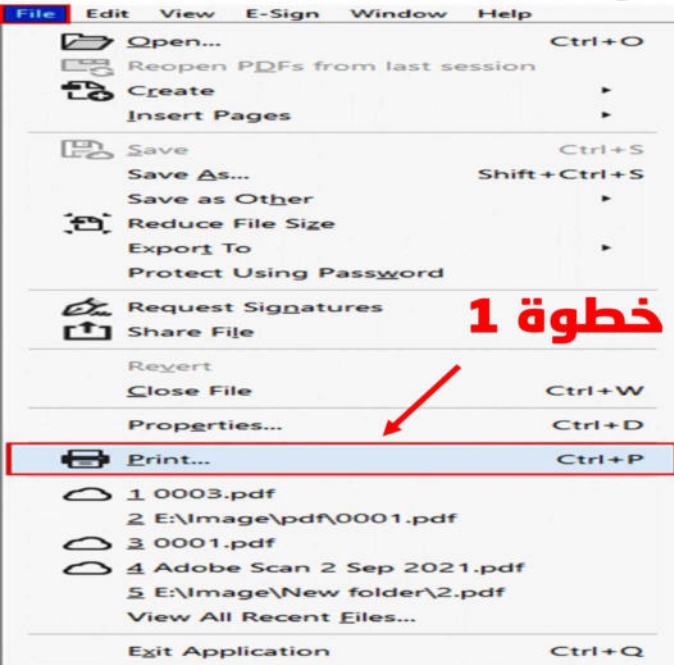
Sohag Governorate**24 Science Inspectorate**

- 1** (A) 1. c 2. a 3. b
(B) Because aluminum is good conductor of heat.
-
- 2** (A) (✗)
(B) 1. Thermometer.
2. The endocrine system.
-
- 3** (A) magnetic field.
(B) 1. The forearm moves up towards the shoulder.
2. The mass will not change.

Matrouh Governorate**25 Matrouh Educational Zone**

- 1** (A) 1. (✓) 2. (✗) 3. (✗)
(B) It is the change of state of matter from liquid state to solid state.
-
- 2** (A) d
(B) 1. conduction – radiation.
2. glands – hormones
-
- 3** (A) Parallel connection.
(B) 1. Because the temperature of the cup is higher than that of your hand so, the heat transfers from the cup to your hand by conduction.
2. Because their bodies consist of one cell only.

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

امتحانات رقم (2)

الترم الاول



Model (1)

15
Marks

1 (A) Choose the correct answer:

- 1 The body of consists of one cell.
a) a plant b) bacteria c) birds d) human
- 2 The endocrine glands secrete to help the body perform its various functions.
a) salts b) proteins c) hormones d) enzymes
- 3 All of the following are materials that are not attracted to a magnet, except
a) wood b) rubber c) aluminum d) nickel

(B) Give a reason:

– The plant cell has a definite shape.

.....

2 (A) Put (✓) or (X):

– The tissue consists of a group of similar cells. ()

(B) What happens when ...?

- 1 Placing a thermometer in a glass cup as shown in the opposite figure and why?
-



- 2 A person touches a non-insulated electric wire through which an electric current passes.
-

3 (A) Complete the following sentence using the words between brackets:

– The contain nephrons that purify blood from waste. (kidneys - lungs)

(B) What is the importance of each of the following?

- 1 The cell membrane:
-

- 2 The battery in the electric circuit:
-

Model (2)

15
Marks

1 (A) Put (✓) or (X):

- 1 The last part of the small intestine is called the rectum. ()
- 2 The forces between solid molecules increase when they melt. ()
- 3 When the temperature of a substance rises, its mass changes. ()

(B) What happens when ...?

– You hold an ice cube between your hands.

.....

2 (A) Write the scientific term:

– Microscopic units that filter blood and remove harmful substances from the body. (.....)

(B) Answer the following questions:

- 1 The cooking pot that is shown in the opposite figure is made of
because, while its handle is made of
because



- 2 Give reason: Undigested food becomes solid wastes inside the large intestine.
-

3 (A) Complete the following sentence using the words between brackets:

– controls all the cell activities such as cell division. (Cell membrane - Nucleus)

(B) Mention the function of each of the following:

- 1 The two kidneys:
-

- 2 The higher objective lens in a microscope:
-

Model (3)

15
Marks

1 (A) Complete the following sentences:

- 1 Electrical lamps in homes are connected in connection.
- 2 The state of matter is characterized by having a fixed shape.
- 3 is used to measure the temperature of substances.

(B) Give a reason:

– Heart muscle contracts and relaxes without stopping.

.....

2 (A) Cross out the odd word:

– Cell membrane - Mitochondria - Cell wall - Cytoplasm.

(.....)

(B) What happens if ...?

- 1 A piece of wood is placed instead of a piece of aluminum in an electrical circuit.

.....

- 2 Pancreas doesn't make its function correctly.

.....

.....

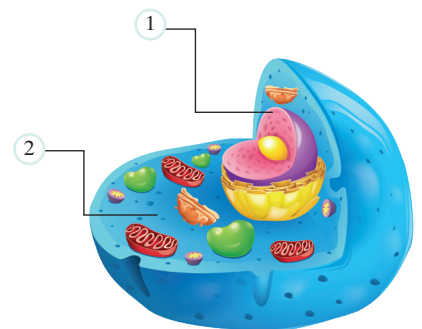
3 (A) Put (✓) or (X):

– Mitochondria produce energy from glucose in the cell.

(✓)

(B) Look at the opposite figure, then answer:

- 1 The opposite figure represents an
- 2 Organelle no. 1 is called the and its function is
- 3 All the following organelles float in structure no. which is called



Model (4)

15
Marks

1 (A) Choose the correct answer:

- 1 The human is considered a living organism.
a) unicellular b) multicellular c) simple d) primitive
- 2 The liver stores glucose and converts it into
a) protein b) fat c) glycogen d) carbohydrates
- 3 is not attracted to a magnet.
a) Iron b) Aluminum c) Nickel d) Cobalt

(B) What happens when ...?

– The front muscle of the upper arm contracts.
.....

2 (A) Complete the following sentence using the words between brackets:

– prevent the flow of electricity in electric circuits. (Conductors - Insulators)

(B) Give a reason:

- 1 Blood cells and proteins can't pass through kidney's nephrons.
.....

- 2 The animal cell doesn't have definite shape.
.....

3 (A) Cross out the odd word:

– Conduction – Convection – Friction – Radiation (.....)

(B) List the components of each of the following:

- 1 Electric circuit:
.....

- 2 Musculoskeletal system:
.....
.....

Model (5)

15
Marks

1 (A) Write the scientific term:

- 1 The area around a magnet where magnetic force is observed. (.....)
- 2 Matter is neither created nor destroyed, but changes from one state to another. (.....)
- 3 Heat transfers by the movement of particles in a liquid or gas. (.....)

(B) Give a reason:

- Plant cell can make photosynthesis process.
-

2 (A) Choose the correct answer:

- energy produced by the movement of matter's molecules.

a) Magnetic b) Chemical c) Thermal d) Potential

(B) What happens when ...?

- 1 A piece of butter is melted. (according to its mass)

.....

- 2 Your body doesn't get rid of wastes.

.....

3 (A) Complete the following sentence:

- When two muscles work together to carry out a movement, one muscle while the other one

(B) Compare between:

- 1 Electric conductors and electric insulators

Electric conductors	Electric insulators
.....	
.....	

- 2 Magnetic materials and non-magnetic materials

Magnetic materials	Non-magnetic materials
.....	
.....	

Model (1)

15
Marks

1 (A) Choose the correct answer:

- 1 The body of consists of one cell.
a) a plant **b) bacteria** c) birds d) human
- 2 The endocrine glands secrete to help the body perform its various functions.
a) salts b) proteins **c) hormones** d) enzymes
- 3 All of the following are materials that are not attracted to a magnet, except
a) wood b) rubber c) aluminum **d) nickel**

(B) Give a reason:

- The plant cell has a definite shape.
- **Because it is surrounded by a cell wall.**

2 (A) Put (✓) or (X):

- The tissue consists of a group of similar cells.

(✓)

(B) What happens when ...?

- 1 Placing a thermometer in a glass cup as shown in the opposite figure and why?
– **The liquid inside the thermometer will expand due to heating.**
- 2 A person touches a non-insulated electric wire through which an electric current passes.
– **The person will get an electric shock.**



3 (A) Complete the following sentence using the words between brackets:

- The contain nephrons that purify blood from waste. (**kidneys** - lungs)

(B) What is the importance of each of the following?

- 1 The cell membrane:
– **It controls the substances that can enter or leave the cell.**
- 2 The battery in the electric circuit:
– **It is the source of electric power in the electric circuit.**

Model (2)

15
Marks

1 (A) Put (✓) or (X):

- 1 The last part of the small intestine is called the rectum. (X)
- 2 The forces between solid molecules increase when they melt. (X)
- 3 When the temperature of a substance rises, its mass changes. (X)

(B) What happens when ...?

- You hold an ice cube between your hands.
- **The heat transfers from the two hands to the ice cube.**

2 (A) Write the scientific term:

- Microscopic units that filter blood and remove harmful substances from the body. (**nephrons**)

(B) Answer the following questions:

- 1 The cooking pot that is shown in the opposite figure is made of **aluminum** because **it is a good conductor of heat**, while its handle is made of **plastic** because **it is a bad conductor of heat**.
- 2 Give reason: Undigested food becomes solid wastes inside the large intestine.
 - **Because the large intestine absorbs most of the water from the undigested food.**



3 (A) Complete the following sentence using the words between brackets:

- controls all the cell activities such as cell division. (Cell membrane - **Nucleus**)

(B) Mention the function of each of the following:

- 1 The two kidneys:
 - **They remove waste materials from the blood in the form of urine.**
- 2 The higher objective lens in a microscope:
 - **It helps us to see small samples magnified and more clearly.**

Model (3)

15
Marks

1 (A) Complete the following sentences:

- 1 Electrical lamps in homes are connected in **parallel** connection.
- 2 The **solid** state of matter is characterized by having a fixed shape.
- 3 **Thermometer** is used to measure the temperature of substances.

(B) Give a reason:

- Heart muscle contracts and relaxes without stopping.
 - **Because it is considered an involuntary muscle.**

2 (A) Cross out the odd word:

- Cell membrane - Mitochondria - Cell wall - Cytoplasm.

(**Cell wall**)

(B) What happens if ...?

- 1 A piece of wood is placed instead of a piece of aluminum in an electrical circuit.
 - **The electric current will not flow through the electric circuit.**
- 2 Pancreas doesn't make its function correctly.

The pancreas can't produce a proper amount of insulin, and the person will have a diabetes disease.

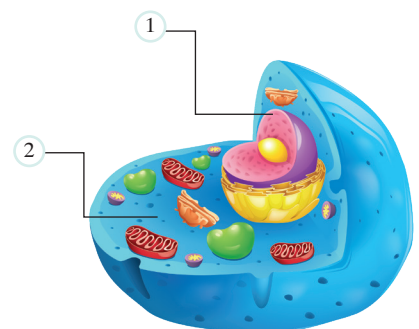
3 (A) Put (✓) or (X):

- Mitochondria produce energy from glucose in the cell.

(✓)

(B) Look at the opposite figure, then answer:

- 1 The opposite figure represents an **animal cell**.
- 2 Organelle no. 1 is called the **nucleus** and its function is **controlling the cell division**.
- 3 All the following organelles float in structure no. 2 which is called **cytoplasm**.



Model (4)

15
Marks

1 (A) Choose the correct answer:

- 1 The human is considered a living organism.
a) unicellular **b) multicellular** c) simple d) primitive
- 2 The liver stores glucose and converts it into
a) protein b) fat **c) glycogen** d) carbohydrates
- 3 is not attracted to a magnet.
a) Iron **b) Aluminum** c) Nickel d) Cobalt

(B) What happens when ...?

– The front muscle of the upper arm contracts.

The forearm moves up towards the shoulder.

2 (A) Complete the following sentence using the words between brackets:

– prevent the flow of electricity in electric circuits. (Conductors - **Insulators**)

(B) Give a reason:

- 1 Blood cells and proteins can't pass through kidney's nephrons.
– **Because they are too large to pass through nephrons.**
- 2 The animal cell doesn't have definite shape.
– **Because it isn't surrounded by a cell wall.**

3 (A) Cross out the odd word:

– Conduction – Convection – Friction – Radiation (**Friction**)

(B) List the components of each of the following:

1 Electric circuit:

1- Metal wire 2- Battery 3- Electric device 4- Switch

2 Musculoskeletal system:

1- Bones 2- Muscles 3- Ligaments 4- Tendons 5- Cartilages

Model (5)

15
Marks

1 (A) Write the scientific term:

- 1 The area around a magnet where magnetic force is observed. (**Magnetic field**)
- 2 Matter is neither created nor destroyed, but changes from one state to another. (**Law of conservation of mass**)
- 3 Heat transfers by the movement of particles in a liquid or gas. (**Convection**)

(B) Give a reason:

- Plant cell can make photosynthesis process.
- **Because it contains chlorophyll which absorbs light energy from the sun.**

2 (A) Choose the correct answer:

- energy produced by the movement of matter's molecules.
a) Magnetic b) Chemical **c) Thermal** d) Potential

(B) What happens when ...?

- 1 A piece of butter is melted. (according to its mass)
– **Its mass doesn't change.**
- 2 Your body doesn't get rid of wastes.
– **It leads to accumulation of the wastes in the blood and human death.**

3 (A) Complete the following sentence:

- When two muscles work together to carry out a movement, one muscle **contracts** while the other one **expands**.

(B) Compare between:

- 1 Electric conductors and electric insulators

Electric conductors	Electric insulators
– They are materials that allow electric current to pass through.	– They are materials that don't allow electric current to pass through.

- 2 Magnetic materials and non-magnetic materials

Magnetic materials	Non-magnetic materials
– They are materials that are attracted to magnet.	– They are materials that are not attracted to magnet.

حمل الآن

مجاناً وحصرياً

امتحانات رقم (3)

الترم الاول





First question: A-Choose the correct Answer

1-A living organism grow and reproduce by increasing..... the of its body cells

- | | |
|------------|------------|
| (a) size | (b) number |
| (c) volume | (d) length |

2-.....allow water which is necessary for life to enter the cell.

- | | |
|------------------|-------------------|
| (a) nucleus | (b) cell membrane |
| (c) mitochondria | (d) cytoplasm |

3- Objects with more thermal energy have..... kinetic energy.

- | | |
|--------------|----------|
| (a) more | (b) less |
| (c) the same | (d) no |

4..... is the transfer of heat due to the movement of molecules in a liquid or gas.

- | | |
|---------------|----------------|
| (a) radiation | (b) conduction |
| (c) freezing | (d) convection |

B. Describe the following city structures as cell structure

1- City hall as

2- Electric power station as

Second question :A-Put(✓) or (x)

- 1) Neck muscles are from voluntary muscles
- 2) Nephrons are microscopic filters that remove harmful substance from body
- 3) Melting point is the temperature at which liquid matter changes into solid
- 4) Iron is example for materials that resists the transfer of heat energy

B- Mention the function of:

Generator.

Third question: - A- Complete the following sentences using the words between brackets

(Electron- Fixed-kidneys -Condensation)

1. The In the urinary system purify the blood.
2. is Small electric charges moving in the wires in a closed electrical circuit.
3. Matter in the liquid state has..... ... Volume
4.is the change of matter from gaseous state to liquid state by cooling,

B-Cross out the odd word:

Molecules spread out - Spaces increase-Expansion – Contraction





Pilot test (2)

First question: A-complete the following

1. Theis the component of the cell that allow water to enter and exit the cell
2. The body sends more to the muscle and brain when the rate of heart beats increases
3. To adjust the temperature inside some devices as fridge, is used
4. Gold and copper are considered frommaterials as they do not attracted to the magnet

B-What happened if:

1. Absence of expansion joints in the designed bridges

Second question :A-put (✓) or (✗)

- 1) Heat transfers between two objects that have the same temperature
- 2) Mitochondria provide the cell with the needed energy
- 3) The electric devices in houses are connected in series
- 4) The muscle that helps in moving the eyes is a voluntary

B-Write the scientific term

- 5) The movement of charged particles through a conducting wires

Third question: - A-choose the correct answer

1. All of the followings are helping in excretion process except
 - (a) Skin
 - (b) Lungs
 - (c) Urinary system
 - (d) Digestive system
2. The magnetic field can be formed when the electric current flows in wires around.
 - (a) battery
 - (b) Glass core
 - (c) Air
 - (d) Metal core
3. The object that has less thermal energy has.....energy
 - (a) less
 - (b) same
 - (c) more
 - (d) zero
4. Heat energy transfers through solids by
 - (a) radiation
 - (b) convection
 - (c) conduction
 - (d) a and c

B-Some electric circuits contain resistor





First question: (A) Choose the correct answer:

1.....is a material that cannot allow electric current to flow through

- | | |
|-------------|------------|
| (a) Iron | (b) Copper |
| (c) Plastic | (d) Cobalt |

2- Your leg moves due to contraction and relaxation of.....connected to the bones of leg.

- | | |
|-----------|-------------|
| (a) hairs | (b) toes |
| (c) skin | (d) muscles |

3- The body of simple living organisms as bacteria consists of.....

- | | |
|-------------------|----------------------|
| (a) one cell only | (b) different cells. |
| (c) Many cells | (d) ten cells only. |

4-Heat is transferred through copper and iron by

- | | |
|-------------------------------|----------------|
| (a) radiation | (b) conduction |
| (c) conduction and convection | (d) convection |

(B)What happens if: The speed of molecules of a matter when it is heated

Second question : (A)Put (✓)or (✗):

- 1) Chloroplasts are found in the cells of banana plant leaves
- 2) Digestive system digests food without the help of nervous system
- 3) The two kidneys remove waste materials from body
- 4) The measuring unit of heat is called calories

(B) Give the reason: Matter may change from one state to another.

.....

Third three: (A) write the scientific term:

- 1) A device that is used to see the structure of living organisms cells
- 2) A disease that is resulting from the disorder of secreting insulin hormone by pancreas
- 3) It is the decrease of the size of a substance due to decreasing of its temperature
- 4) They are materials that slow down the heat transfer through them

(B) Cross the odd word: Nickel-Cobalt-Steel – Copper



Pilot test (4)First question: A. Choose from column (B) what suits it in column (A)

(A)	(B)
1. Digestion process	a) is the process in which excretory system collects the waste materials produced by cells and removes them from the body.
2. Urination process	b) is the process of converting the complex food into simpler substance that the body can use for energy and growth.
3. Excretion process	c) is the process of taking oxygen gas and expelling carbon dioxide gas
4. Respiration process	d) is the process of expelling urine outside the body.
1.	2.
	3.
	4.

B. Give a reason for the following

- The electric circuit contains a switch

.....

Second question : A. choose the correct answer:

1-Al the following muscles are considered as voluntary muscles, except muscles of

(a) Forearm

(b) Neck

(c) Heart

(d) upper arm

2..... are used to stop the flow of electricity.

(a) Resistors

(b) Electric conductors

(c) Electric insulators

(d) Galvanometer

3-Endocrine system secretes.....that control the body temperature and the blood pressure

(a) Hormones

(b) Blood

(c) Water

(d) urea

4-Water changes into ice by

(a) Melting

(b) Freezing

(c) Evaporation

(d) Condensation

B. Write the scientific term of the following:

-It is the organ which filter the blood from wastes and form urine |..

Third question :A. Complete the following sentences using these words:

(Gases-conduction - insulin-cell wall)

1-The plant cell is surrounded by.....

.....have variable shape and volume.

3-Heat transfer through iron by.....

4.....hormone is secreted by pancreas.

B. Cross the odd word:-

conduction-convection-friction- radiation



Pilot test (5)First question: A- Choose the correct answer

1- The Plant cell is characterized from the animal cell by the presence of Chloroplasts and.....

- (a) Nucleus (b) Cell Wall
(c) Cytoplasm (d) Mitochondria

2- The Organ that secretes Insulin hormone for regulating the level of Sugar is

- (a) Pancreas (b) Stomach
(c) Liver (d) Heart

3- By heating water its thermal energy...

- (a) decreases (b) at the same
(c) increases (d) doesn't change

4. - Change of matter from Liquid state to the gas state is...

- (a) Freezing (b) Condensation
(c) Melting (d) Evaporation

B- Give reason For the flowing:

The Importance of the Generators.

Second question: A- Choose from column (B) what suits it in column (A)

(A)	(B)
1- Plastic	a- Way of transferring heat through air and Space
2- Cobalt	b- Is the measuring unit of heat.
3- Radiation	c- Is a bad conductor of electricity
4- Calorie	d- is a magnetic material
1.	2. 3. 4.

B- What happens if the Nephrons of the Kidneys Not Work Properly.?

Third question : (A)Put (✓)or (✗):

- The electric devices in house are connected in parallel circuits
- Solid have variable shape and volume
- The magnetism is repulsion force only
- The thermal energy is transfer through water by convection

B-Mention the importance (function) of the chloroplasts in the plant cell?





First question: A-Choose the correct Answer

1. (b)number
2. (b)cell membrane
3. (a)more
4. (d)convection

B. Describe the following city structures as cell structure

1- Nucleus

2- Mitochondria

Second question A-Put(✓) or (x)

- 1-✓
- 2-✓
- 3-x
- 4-x

B- Mention the function of:

It used to change mechanical energy into electrical energy

Third question:- A- Complete the following sentences using the words between brackets

1. kidneys
2. Electron
3. Fixed
4. Condensation

B-Cross out the odd word:

Contraction



قد يكون لهذا التعب الذي تقش تحمله هو
الذي يغير مياتك بأكلها، سيعوضك و
سيراضيك و سيَجبر لخاصرك .





First question: A-complete the following

1. Cell membrane
2. Blood
3. Thermostat
4. Magnetic

B-What happened if:

Buckling of bridges occurs as a result of expansion at high temperatures

Second question :A-put (✓) or (×)

- 1-x
- 2-✓
- 3-x
- 4-x

B-Write the scientific term

Electric current

Third question: - A-choose the correct answer

1. (d)Digestive system
2. (d)Metal core
3. (a)less
4. (c)conduction

B-Some electric circuits contain resistor

Rubber, Plastic and wood

يأت بها
الشمس
كما تمنها قلبك





First question: (A) Choose the correct answer:

1. (c)Plastic
2. (d)muscles
3. (a)one cell only
4. (b)conduction

(B)What happens if: The speed of molecules will increase

Second question : (A)Put (✓)or (✗):

- 1-✓
- 2-✗
- 3-✓
- 4-✓

(B) Give the reason: Due to the change in temperature

Third question: (A) write the scientific term:

- 1-Microscope
- 2-Diabetic disease
- 3-contraction
- 4- isolators materials

(B) Cross the odd word: Copper



مش هيجيلك اللي انت
عايزه بس هيجيلك اللي انت
تستحقه.. مش هتوصل ليا
تتعب، هتوصل ليا تكون
جافوز.. رينا مش هيبعتك
اللى بتتهاه، هيبعتك اللي
انت محتاجه.. احنا بنعمل اللي
علينا بس رينا عالم اعني
وفين وإزاي وقد اية اللي
لأزمك عشان تبقى سعيد، ف
اطهن ومتشلتش لهم ثاني.





First question: A. Choose from column (B) what suits it in column (A)

1-b 2-d 3-a 4-c

B. Give a reason for the following

Because it helps in opening and closing the circuit

Second question : A. choose the correct answer:

1-(c)Heart

2-(a)Resistors

3-(a)Hormones

4-(b)Freezing

B. Write the scientific term of the following: Kidney

Third question :A. Complete the following sentences using these words:

1- Gases

3- conduction

4 -insulin

B. Cross the odd word: -friction

ولا بقى عندى طاقة
ولا عندى شغف
ولا عندى خلق
معنديش إلا خدود





First question: A- Choose the correct answer

- 1- (b)Cell Wall
- 2- (a)Pancreas
- 3- (c)increases
- 4- (d)Evaporation

B- Give reason For the flowing:

Because, generator change Mechanical energy into electrical energy which use to lightening house and operating device

Second question: A- Choose from column (B) what suits it in column (A)

1-c 2-d 3-a 4-b

B- What happens if The blood doesn't filter from waste materials

Third question : (A)Put (✓)or (×):

- 1-✓
- 2-×
- 3-×
- 4-✓

B- It contain chlorophyll that absorb light energy from the sun to make photosynthesis process

مَنْ لَا يَفْهَمُ رِسَالَتِكَ الْكَبِيرَى
فِي الْحَيَاةِ.. لَنْ يَسْتَوْعِبَ
الْخُطَوَاتِ الَّتِي تَسْبِقُهَا



حمل الآن

مجاناً وحصرياً

امتحانات رقم (4)

الترم الاول



Model exam (1)

1-(A) Choose the correct answer:

1. The internal switch on a can be used in the refrigerator to adjust its temperature.

- a. battery b. thermostat c. light bulb d. wall socket

2. In a dangerous situation, your eyes send the information to the to perform the suitable action.

- a. brain b. stomach c. lungs d. heart

3. The body of is composed of one cell only.

- a. human b. bacteria c. a big tree d. an elephant

4. Heat is transferred through solids by

- a. radiation only b. conduction and convection
c. conduction only d. radiation and convection

(B) What happens if?

-A magnet is approached close to some iron nails mixed with small pieces of paper.

.....
.....

2-(A) Complete the following sentences:

1- Mitochondria in muscle cells convert inside the cells into which is needed for doing different exercises.

2-Thermal materials allow heat to travel freely through them such as

3-Friction between a moving car and a road causes changing of its energy into energy.

4-The gravity of Earth is affected by two factors which are and.....

(B) Give a reason for:

-Blood cells and proteins can't pass through the kidney's nephrons.

3-(A) Write scientific term:

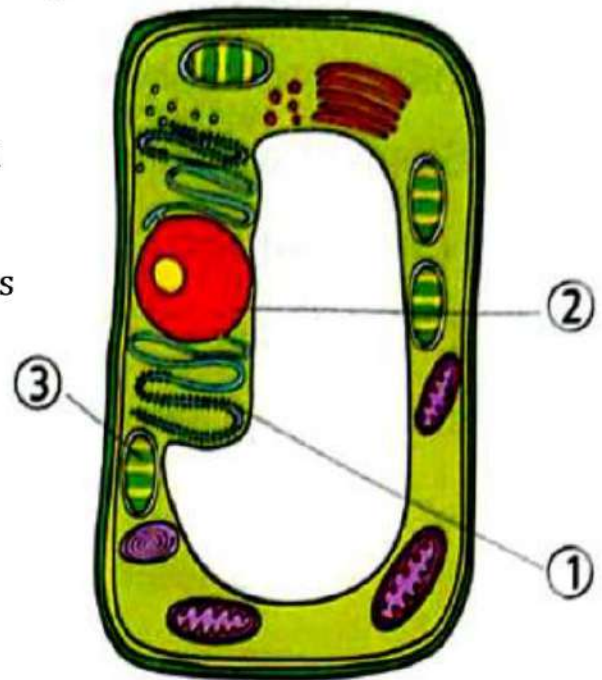
1. It is a group of atoms bound together.	()
2. The organ that controls the level of sugar in the human body.	()
3. It surrounds the plant cell to give it a definite shape.	()
4. A device used to measure the temperature.	()

(B) Look at the following diagram and complete:

1- Structure number controls the formation of proteins.

2-Structure number contains chlorophyll pigment which found in plant cell only.

3-Structure number transports proteins inside the cell to build and repair the cell.



Model exam (2)

1-A) Write (true) or (false)

- (1) The building unit of living organism body is the atom ()
- (2) By increasing thermal energy kinetic energy increase ()
- (3) All cells are similar in the shape and structure ()
- (4) Melting point is the change of matter from solid state to liquid state ()

B) Give reason for:

The green color of plants leaves?

2-A) Choose the correct answer

- (1) The..... energy is related to the motion of particles of matter.
a. Chemical. B. Potential. C. Light. D. Thermal
- (2) Heat transferred through solids by.
a. radiation only. C. Conduction and convention
b. conduction only d. Radiation and convection.
- (3) Material..... On heating.
a. expand b. Contract. C. compress. D. Don't change
- (4) The skeletal system takes nutrients from.....system for the growth of muscles.
a. Circulatory. D. Digestive. C. Nervous. D. Respiratory

B) What happens to

The animal cell is surrounded by a cell wall.

3-A) Write the scientific terms:

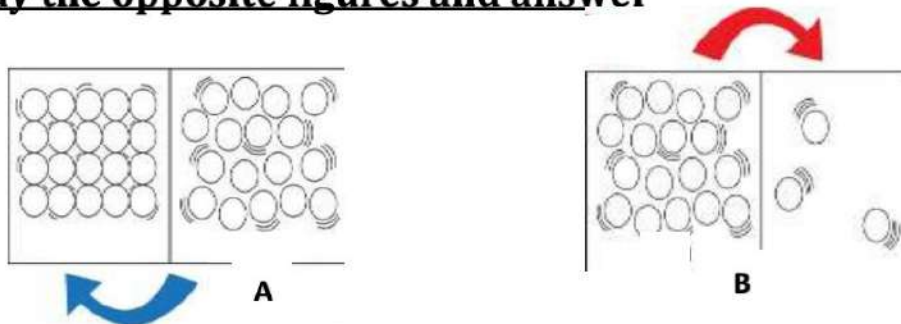
1 - they are sac-like organelles that contain tiny green granules and found in plant cell only ()

2- it is the system that responsible for storing and get rid of waste materials that produced from the cells ()

3 - the area around the magnet in which its magnetic force appears ()

4 - it is the smallest building unit of the matter ()

B)Study the opposite figures and answer



1-Which of the following figures show expansion of molecules?

2-Choose

When we heat matter the molecules (gain – lose) energy.

and the spaces between its molecules (decrease- increase.)

Model exam (3)

1-(A) Choose the correct answer:

1- The energy is related to the motion of particles of matter.

A. Chemical. B. Potential. C. light. D. Thermal.

2- We can see the cell ofwithout using a microscope.

A. Humans.

B. lions.

C. Plants.

D. Birds' egg.

3- is used to slow the flow of an electric current in the electric circuit.

- A. A battery. B. A switch. C. A resistor. D. A lamp.

4- Heat is transferred through air by

- A. Radiation only. B. Conduction only.
C. Conduction and Convection. D. Radiation and Convection.

(B) What happens to:

The level of alcohol inside a thermometer if we put it inside cold water.

.....

2- (A) put true or false:

1. Exoskeleton gives some insects their shapes. ()
2. Cobalt is an example of magnetic materials. ()
3. Expansion and contraction of matter occur due to the changes in temperature. ()
4. In series circuits, the electric current can flow in different branches . ()

(B) Give reason for:

- Muscle cells are in the form of long fiber.

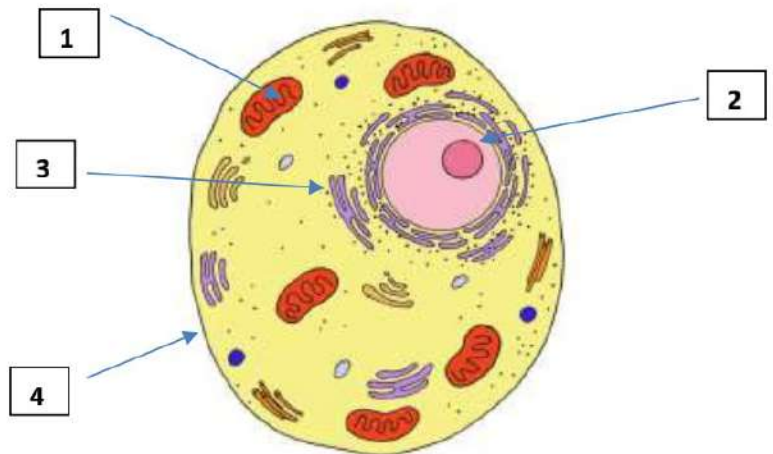
.....

3- (A) Correct the underlined word:

- 1-Pancreas absorbs most of water from the undigested food. (.....)
- 2- Changing the state of matter from gas to liquid is called Evaporation. (.....)
- 3-We can see the cells of all living organisms with the naked eye. (.....)

B) Look at the following figure, then write the correct number beside the suitable sentence:

- 1- Energy producers. (.....)
2- Cell division. (.....)
3- Assembling and transporting proteins. (.....)
4- Selective permeability. (.....)



Model exam (4)

Question (1) : Choose the correct answer:

- 1) The number of cells which build up a baby's body is..... which build up his father's body.
a. more than b. less than
c. equal to d. double
- 2) Stomach is composed of a group of different.....
a. bacteria b. systems c. organs d. tissues
- 3) The structure of plant cell which is made up of cellulose is the
a. Cell membrane b. cytoplasm
c. nucleus d. cell wall
- 4) The two kidneys remove waste materials as,and expel them in the form of urine.
a. Water and urea. c. Urea and blood cells
b. Water and proteins. d. Proteins and blood cells
- 5) The muscle is considered as.....
a. a cell. b. a tissue. c. an organ. d. a system

Question (2) : Put (v) or (X) :

- 1- When chemical change happens, the properties of new materials ~~are~~ the same properties of original materials ()
- 2- Plastic is better than wood in making the handle of cooking pots ()
- 3- Heat is transferred through solids and liquids by convection ()
- 4- When kinetic energy of molecules decreases, they vibrate slower ()
- 5- Scientists use an artificial pacemaker to stimulate heart to beat regularly ()

Question (3) :

A- Write scientific term :

- 1- It is a green pigment which absorbs the energy of sunlight to make photosynthesis process in plants
(.....)
- 2- The system which helps the body to move
(.....)
- 3- The process of expelling urine from the body.
(.....)
- 4- The materials that attracted to the magnet
(.....)

B- What happens to :

The mass of a piece of butter after melting it

.....

Model answer Exam (1)

1-(A) Choose the correct answer:

1. The internal switch on a can be used in the refrigerator to adjust its temperature.

- a. battery **b. thermostat** c. light bulb d. wall socket

2. In a dangerous situation, your eyes send the information to the to perform the suitable action.

- a. brain** b. stomach c. lungs d. heart

3. The body of is composed of one cell only.

- a. human **b. bacteria** c. a big tree d. an elephant

4. Heat is transferred through solids by

- a. radiation only b. conduction and convection
c. conduction only d. radiation and convection

(B) What happens if?

-A magnet is approached close to some iron nails mixed with small pieces of paper.

-The magnet will attract the iron nails, but it will not attract the small pieces of paper.

2-(A) Complete the following sentences:

1- Mitochondria in muscle cells convert **sugar** inside the cells into **energy** which is needed for doing different exercises.

2-Thermal **conductors** materials allow heat to travel freely through them such as **copper**.

3-Friction between a moving car and a road causes changing of its **kinetic** energy into **thermal** energy.

4-The gravity of Earth is affected by two factors which are **distance** and **mass**

(B) Give a reason for:

-Blood cells and proteins can't pass through the kidney's nephrons.

-Because blood cells and proteins are large in size.

3-(A)Write scientific term:

1. It is a group of atoms bound together.	(Molecule)
2. The organ that controls the level of sugar in the human body.	(Pancreas)
3. It surrounds the plant cell to give it a definite shape.	(Cell wall)
4. A device used to measure the temperature.	(Thermometer)

(B) Look at the following diagram and complete:

1- Structure number **(2)** controls the formation of proteins.

2-Structure number **(3)** contains chlorophyll pigment which found in plant cell only.

3-Structure number **(1)** transports proteins inside the cell to build and repair the cell.

Model answer exam (2)

1-A)Write (true) or (false)

(1)The building unit of living organism body is the atom (F)

(2)By increasing thermal energy kinetic energy increase (T)

(3)All cells are similar in the shape and structure (F)

(4)Melting point is the change of matter from solid state to liquid state (F)

B)Give reason for:

The green colour of plants leaves ?

Due to chlorophyll in chloroplasts .

2-A) Choose the correct answer

- (1) The..... energy is related to the motion of particles of matter.
a. Chemical. B. Potential. C. Light. D. **Thermal**
- (2) Heat transferred through air by.
a. radiation only. C. Conduction and convection
b. conduction only d. **Radiation and convection.**
- (3) Material..... On heating.
a. **expand** b. Contract. C. compress. D. Don't change
- (4) The skeletal system takes nutrients from.....system for the growth of muscles.
a. Circulatory. D. **Digestive.** C. Nervous. D. Respiratory

B) What happens to

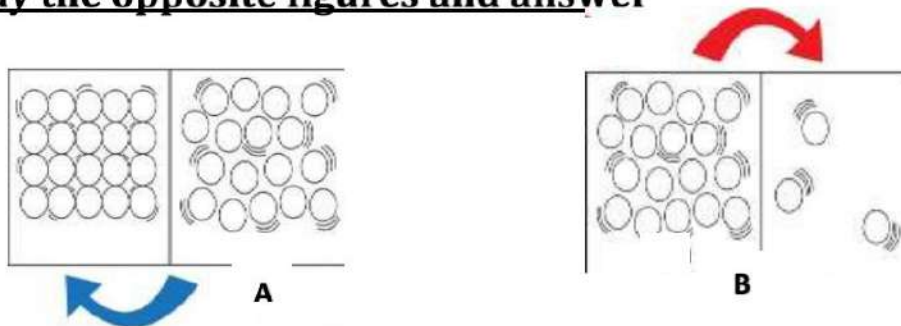
The animal cell is surrounded by a cell wall.

It will take a definite shape

3-A) Write the scientific terms:

- 1 – they are sac-like organelles that contain tiny green granules and found in plant cell only (chloroplast)
- 2- it is the system that responsible for storing and get rid of waste materials that produced from the cells (Human urinary system)
- 3 – the area around the magnet in which its magnetic force appears (magnetic field)
- 4 – it is the smallest building unit of the matter (Atoms)

B) Study the opposite figures and answer



1-Which of the following figures show expansion of molecules? B

2-Choose

When we heat matter the molecules (gain – lose) energy.

and the spaces between its molecules (decrease- increase.)

Model answer exam (3)

1-(A) Choose the correct answer:

1- The energy is related to the motion of particles of matter.

A. Chemical. B. Potential. C. light. D. **Thermal.**

2- We can see the cell ofwithout using a microscope.

A. Humans. B. lions. C. Plants. D. **Birds' egg.**

3- is used to slow the flow of an electric current in the electric circuit.

A. A battery. B. A switch. C. **A resistor.** D. A lamp.

4- Heat is transferred through solids by

A. Radiation only. B. **Conduction only.** C. Conduction and Convection. D.
Radiation and Convection.

(B) What happens to:

The level of alcohol inside a thermometer if we put it inside cold water.

IT will go down and show low temperature level.

2 (A) put true or false:

1. Exoskeleton gives some insects their shapes. (✓)
2. Cobalt is an example of magnetic materials. (✓)
3. Expansion and contraction of matter occur due to the changes in temperature. (✓)
4. In series circuits, the electric current can flow in different branches. (X)

(B) Give reason for:

- Muscle cells are in the form of long fiber.

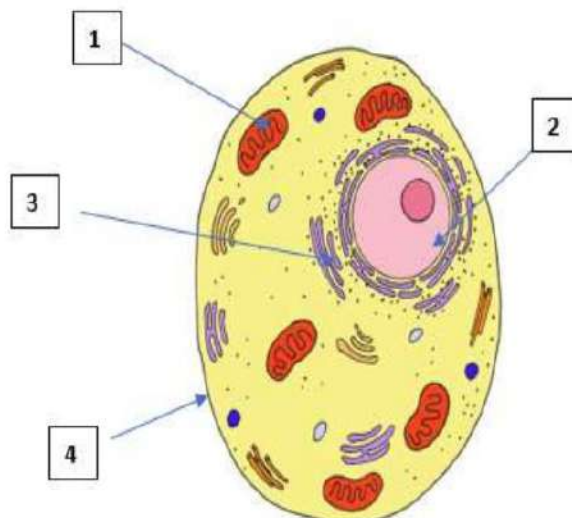
To allow movement.

3 (A) Correct the underlined word:

- 1- Pancreas absorbs most of water from the undigested food. (**Large intestine**)
- 2- Changing the state of matter from gas to liquid is called Evaporation. (**Condensation**)
- 3- We can see the cells of living organisms with the naked eye. (**Microscope**)

B) Look at the following figure, then write the correct number beside the suitable sentence:

- 1- Energy producers. (1)
- 2- Cell division. (2.)
- 3- Assembling and transporting proteins. (3)
- 4- Selective permeability. (4)



Model answer exam (4)

Question (1) : Choose the correct answer:

- 1) The number of cells which build up a baby's body is..... which build up his father's body.
a. more than b. **less than** c. equal to d. double
- 2) Stomach is composed of a group of different.....
a. bacteria b. systems c. organs d. **tissues**
- 3) The structure of plant cell which is made up of cellulose is the
a. Cell membrane b. cytoplasm c. nucleus d. **cell wall**
- 4) The two kidneys remove waste materials as,and expel them in the form of urine.
a. **Water and urea.** c. Urea and blood cells
b. Water and proteins. d. Proteins and blood cells
- 5) The muscle is considered as.....
a. a cell. b. a tissue. c. an **organ.** d. a system

Question (2) : Put (✓) or (X) :

- 1- When chemical change happens, the properties of new materials are the same properties of original materials (**X**)
- 2- Plastic is better than wood in making the handle of cooking pots (**✓**)
- 3- Heat is transferred through solids and liquids by convection (**x**)
- 4- When kinetic energy of molecules decreases, they vibrate slower (**✓**)
- 5- Scientists use an artificial pacemaker to stimulate heart to beat regularly (**✓**)

Question (3) :

A- Write scientific term :

- 1- It is a green pigment which absorbs the energy of sunlight to make photosynthesis process in plants (.....chlorophyll....)
- 2- The system which helps the body to move (.....musculoskeletal.....)
- 3- The process of expelling urine from the body. (.....Urination.....)
- 4- The materials that attracted to the magnet (.....magnetic material...)

B- What happens to :

The mass of a piece of butter after melting it
.....it will not be changed.....

حمل الآن

مجاناً وحصرياً

امتحانات رقم (5)

الترم الاول



Model Exams Primary. 6 final revisionModel exam (1)**1) choose the correct answer:**

- 1) The two lungs expeloutside the body.
a. water and urea b. oxygen c. carbon dioxide d. proteins and blood cells
- 2)is the area around the magnet at which the magnetism can be observed.
a. magnetic force b. magnetic field c. magnetic material d. Non magnetic material
- 3) magnets are used by generators andto produce
a. turbines & sound. b. light & sound. c. electricity and sound . d. turbines & electricity.
- 4) in acircuit all components are connected in one loop
a. open parallel b. open series c. closed parallel. d. closed series.
- 5) 1. The mercury is a liquid molecule consists ofatom\s
a. one b. two c. three d. four
- 6- objects with low thermal energy haskinetic energy
a. high. b. medium c. low d. constant

2) a) Complete the following :

- 1) similar magnetic poles each other while different magnetic poles each other
- 2).....material is a nonmagnetic material.
- 3) When the switch is....., the lamp in circuit will put off .
- 4) materials such as..... and..... don't allow electrons to flow through.

b) What happens in the following case?

1 The blood pass through the two kidneys during its circulation inside the human body.

.....

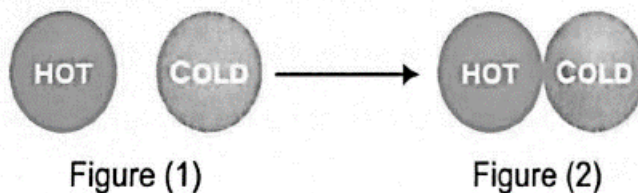
2-the speed of the moving object when it is affected by friction force

.....



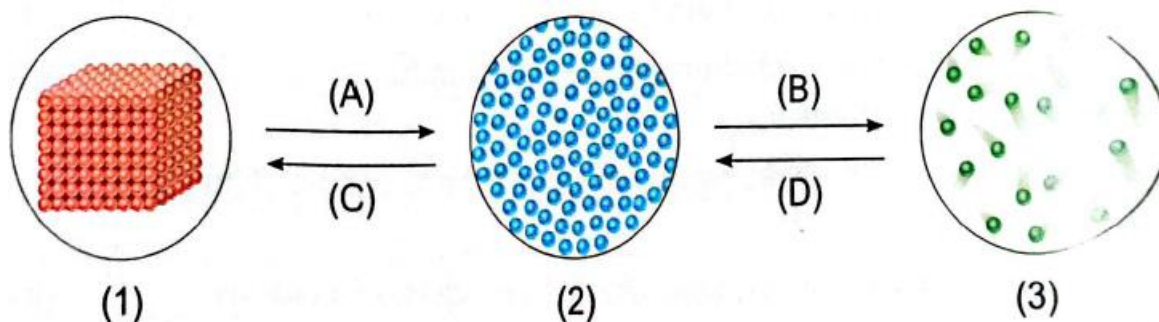
Model Exams Primary. 6 final revision

3)A) look at the following fig. then answer



- 1- heat transfers fromobject toobject
- 2- molecules of hot object movethan cold object

B) look at the following fig. then answer



- 1- the process (A)is called
- 2- the process (D)is called
- 3- The kinetic energy of the molecules in fig (3)than kinetic energy of the molecules in fig. (1)



Model Exams Primary. 6 final revision

Model exam (2)

1) choose the correct answer :

- 1) The two kidneys remove waste materials.....and expel them in the form as of urine.
 a. water and urea b. urea and blood cells c. water and proteins d. proteins and blood cells
- 2) Engineers design special devices to work instead of organ which filter the blood from wastes
 a. stomach b. heart c. kidney d. lung
- 3) The systems of the human body get their needed energy from
 a. the Sun. b. Water. c. food. d. carbon dioxide.
- 4) All the following are from the nutrients that the food contains, except.....
 a. Carbohydrates. b. fats. c. oxygen gas. d. proteins.
- 5) 1. The molecule consists of very small particles called
 a. Cells. b. Atoms. c. mixtures. d. compounds.
- 6- To make bridges we can use.....
 a. flexible fabric. c. smart clothes. b. Concrete. d. glass.

2) a) Complete the following :

- 1) Magnetism is an attraction orforce while gravity isforce only.
- 2).....material is a magnetic material.
- 3) When the switch is....., the circuit will be flows.
- 4) There are materials known as such as..... and..... that allow electrons to flow through.

b) What happens in the following case?

- 1 The blood does not pass through the two kidneys during its circulation inside the human body.

- 2-Bridges if expansion joints are not designed.

- 3-Increasing the time of contact between two objects with different temperatures.


Model Exams Primary. 6 final revision

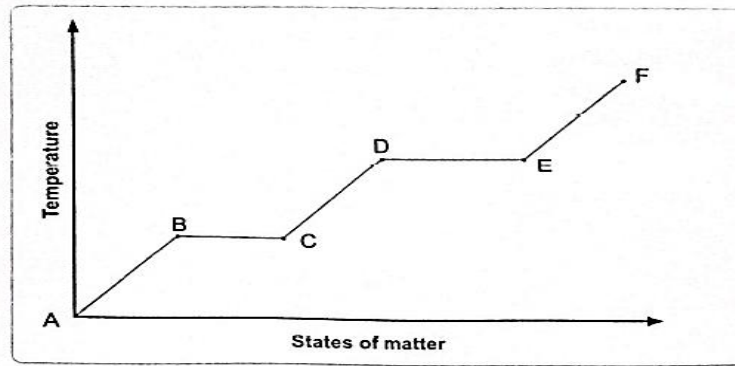
3)a- Put sign (√) or (x) in front of each of the following:

- 1- acid and enzymes which are secreted inside stomach lead to more breaking down of food()
- 2- All materials allow electric current to flow through them. ()
- 3- Saliva is a liquid which is secreted by endocrine system inside your mouth()
- 4- Electric wires are coated with rubber or plastic to protect us from electric shock. ()
- 5- Expansion and contraction are two similar processes. ()
6. Every material is useful for all purposes. ()

b- Classify the following materials into materials that will close the circuit and others will not close it? giving reason?:

(Iron nail - plastic spoon -Rubber -Metallic spoon - Piece of wood - Metallic key)

(4) Look at this diagram, then choose the correct answer:



1. Which state(s) of matter is (are) present at area (A-B)?
a. Solid. b. Gas. c. Solid and gas. d. Liquid and gas.
2. Between which points the substance starts to change from liquid state into gas state?
a. A-B b. B-C c. C-D d. D-E



Model Exams Primary. 6 final revision

Model exam (3)



1) Complete the following

- 1- When the switch is....., the electric current will stop flow.
- 2-Is the source of electricity in any electric circuit.
- 3- The electric wires are covered with.....as it is a to flow electricity through it
4. When you sweat, waste leaves the body through pores in your

2) Write the scientific term of each of the following:

- 1) The organ that is responsible for regulating the sugar level in blood. ()
- 2) A hormone that controls the level of sugar in the human blood. ()
- 3) . It is used to adjust the temperature inside some devices such as the refrigerator. ()
- 4) The materials that the electric charges can flow through. ()
- 5) It is the increase of the size of a substance due to increasing of its temperature. ()
6. It is the state of matter that has a fixed shape and spaces between its molecules are very narrow. ()
- 7) The way by which the heat is transferred through solids only. ()
- 8) A material is made of a mixture of iron and other elements. ()
- 9) The temp. at which matter change from solid state to liquid state . ()
- 10) A form of energy that gained or lost by the matter to change its state. ()

3) Correct the underline word:

- 1) Cobalt is an example of nonmagnetic material
- 2) Battery is used to open and close the electric circuit
- 3) the two kidneys remove wastes materials from undigested food which come out in the form of sweat
- 4) Diabetes is one of the disorders of respiratory system



4) from the figure

1) what the name of this system

.....

2) what is the function of part (X)

.....

5) Give reason for each of the following

1. Electric wires are wrapped in plastic.

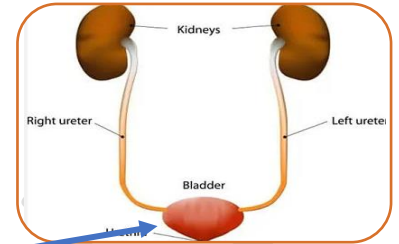
.....

2. Electric wires are made of copper.

.....

3- Ice melts when it is put in a hot cooking pan.

.....



X

Model Exams Primary. 6 final revisionModel exam (4)**1) Choose the correct answer from each of the following:**

- 1- The area around magnet in which magnetism can be observed
a-magnetic field b- magnetic substance c- magnetic force d-magnetic energy
- 2- the flow of electric charges along a closed path causes
a-electric circuit b- electric current c- light energy d-magnetism
- 3-An internal switch in fridge can be used to adjust temperature
a-battery b-light bulb c- wall socket d-thermostat
- 4-Is used to slow the flow of electric current
a-battery b-resistor c- lamp d-switch
- 5- The transformation of gas into liquid is called.....process.
a. Melting b. Evaporation c. condensation d. freezing
- 6-Matter.....it just changes from one state to another.
a. neither be created nor destroyed
b. can be created and destroyed
c. can't be created but destroyed
d. can be created but can't destroyed

2)Correct the underlined word:

- 1) copper, rubber are electric conductors .
- 2) Erath attract objects to its center due too its great density .
- 3) Rheostat in fridge contain a manual switch
- 4)electric wire can be made of rubber and covered with copper

3) a) Fron the opposite fig

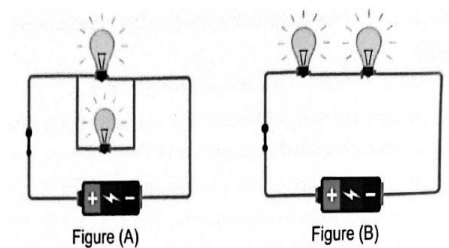
- 1- The parallel circuit is number
- 2- what happen when you remove lamp from circuit (B)
.....

b) Cross the odd word out:

- 1) battery - wires - magnet - lamp.
- 2)glass - cobalt - wood - paper .

4) a) What is the importance of

- 1-battery in electric circuit 2- switch in electric circuit.....



2) blood - blood 2)iron -



Model Exams Primary. 6 final revision

b) Give reason for :

1- Cobalt and nickel are considered magnetic materials.

2- Generator is very important in our life

3-Smart clothes have many benefits.

(c) Cross out the odd word:

1-Conduction - Convection - Friction - Radiation.

2- Air - copper - wood - glass


Model Exams Primary. 6 final revision
Model exam (5)

1) Choose the correct answer from each of the following:

1- Urination process happen by the help ofsystem

- a- respiratory b- digestive c- urinary d- nervous

2- the two kidneys remove wastes materials as

- a- water & urea b- urea & blood cells c- water & protein d- protein & blood cells

3- generators are used in

- a- generating heat energy b- operating electric devices c- producing sound d- building houses

4- is a poor conductor substance for electricity.

- a- Iron b- Copper c- Aluminum d- glass

5- Objects with more thermal energy have... kinetic energy.

- a. More b. Less c. the same d. no

6. Heat is transferred through gases by.....

- a. radiation only. b. conduction and convection.
-
- c. conduction only. d. radiation and convection.

2) Put right or false :

1) The electric devices in houses are connected in a series connection (.....)

2) Wood and plastic are electrical insulators (.....)

3) Gravity is a force by which the magnet attract objects to itself (.....)

4) Studying kidney model can save time , money and effort . (.....)

5) Hot water molecules have more kinetic energy than cold water. (.....)

6) Plastic and wood resist and slow down the heat transfer through them. (.....)

3) From the opposite fig

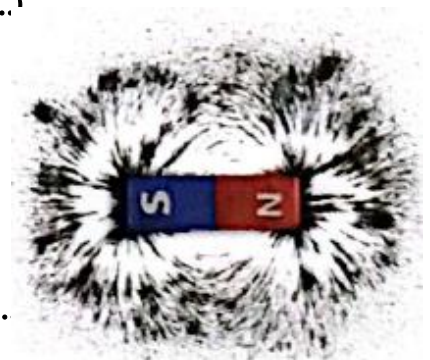
1- the tool is called

2- the tool is surrounded by area called

4) A) Give reason for :

1- Some electric circuits contains resistor.

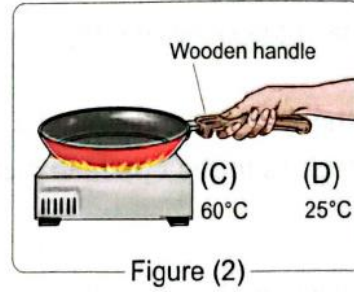
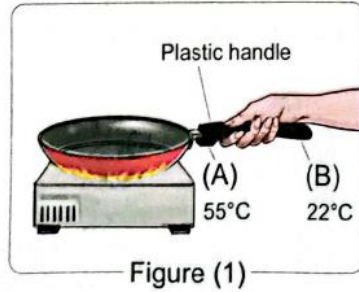
2- when a magnet move rapidly in a coil wire the needle of galvanometer connected to the coil move rapidly





Model Exams Primary. 6 final revision

B- Look at the opposite fig. then answer the following questions:



-Give reason :

- the handles are made up of wood and plastic.

-Complete:

- the handles in fig. Warms faster than the handles of fig



Model Exams Primary. 6 final revision

Model answer (model 1)

- 1) 1-c 2-b 3-d 4-d 5-a 6- c
 2) A) 1- repel - attract 2- glass , wood 3- opened 4- wood & plastic
 B)
 1- Nephron filter the blood and remove the harmful substance
 2-The speed will decrease
 3) A) 1- Hot - cold
 2- faster
 B) 1- melting
 2-condensation
 3- more

Model answer (model 2)

- 1}
 1- a 2- c 3- c 4- c 5- atoms 6- concrete
 2- A)
 1- Repulsion - attraction
 2- Iron - cobalt
 3- closed
 4- copper - iron
 b) 1- the wastes as uria will increase in the blood causes death
 2- it will be bend due to its expansion and may causes accident
 3-the temp. will transfer from body of higher temp.to body of lower temp until it will stop
 Transferring
 3) a) 1-√ 2- x 3- √ 4- √ 5- x 6- x
 b) close the circuit : iron nail - metallic spoon - metallic key
 4- 1- solid
 3- D-E



Model Exams Primary. 6 final revision

Model answer (model 3)

1}

- 1- open
- 2- battery
- 3- plastic - insulator
- 4- skin 5- Expansion 6- Solid state 7- conduction 8 -alloy 9- melting point 10- thermal energy
- 3} 1- wood 2- switch 3- urine 4- endocrine

4) 1- urinary system

2- store urine until it repels outside the body.

5)- 1- bec. plastic is a bad conductor of electricity

2- bec. copper is a good conductor of electricity

3- bec. heat transfer from hot pan to the ice so it melts

Model answer (model 4)

1}

- 1- a 2- a 3- d 4- b 5- c 6- a
- 2} 1- iron 2- mass 3- automatic 4- copper - rubber
- 3} a) 1- A 2 - The other lamp will put off
- b) 1- magnet 2- cobalt
- 4) a) 1- battery is the source of electricity
- 2- switch open and close the electric circuit
- b) 1- Bec. they are attracted to the magnet
- 2- bec . it is used in operating devices in home and generating electricity
- 3- bec. it can : 1- control the body temperature 2-light up in the dark 3- keep themselves clean
- C) 1- friction 2 - cooper



Model Exams Primary. 6 final revision

Model answer (model 5)

1}

1- c

2- a

3- b

4- d

5- a

6- d

2} 1- X 2- ✓ 3- X 4- ✓

3} Magnet 2- magnetic field

4} 1- to adjust the temperature inside the device

2- Bec. magnetism has electrical effect.

B) 1- Bec. wood and plastic are bad conductors of heat

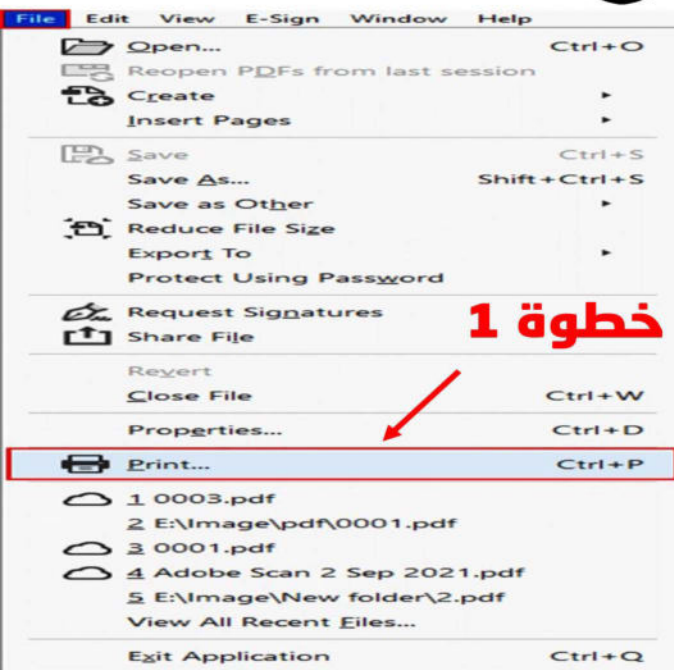
2- fig. 2 - fig. 1

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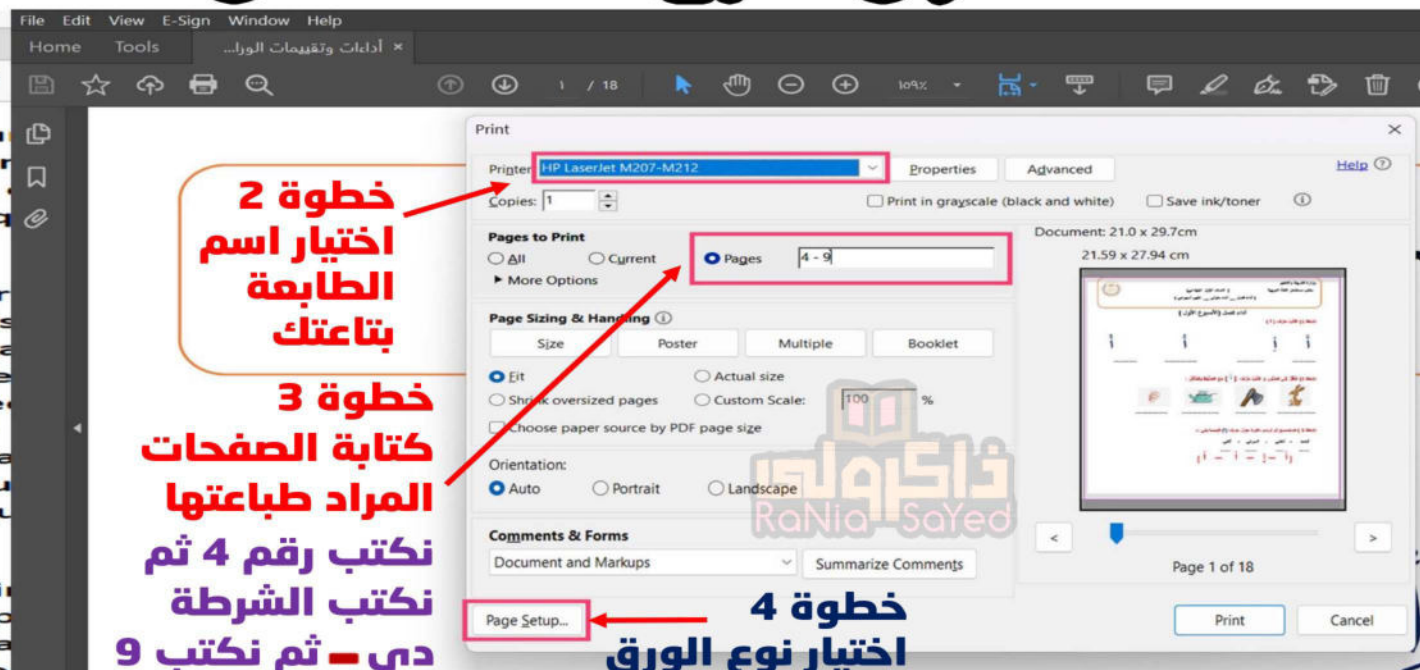


كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



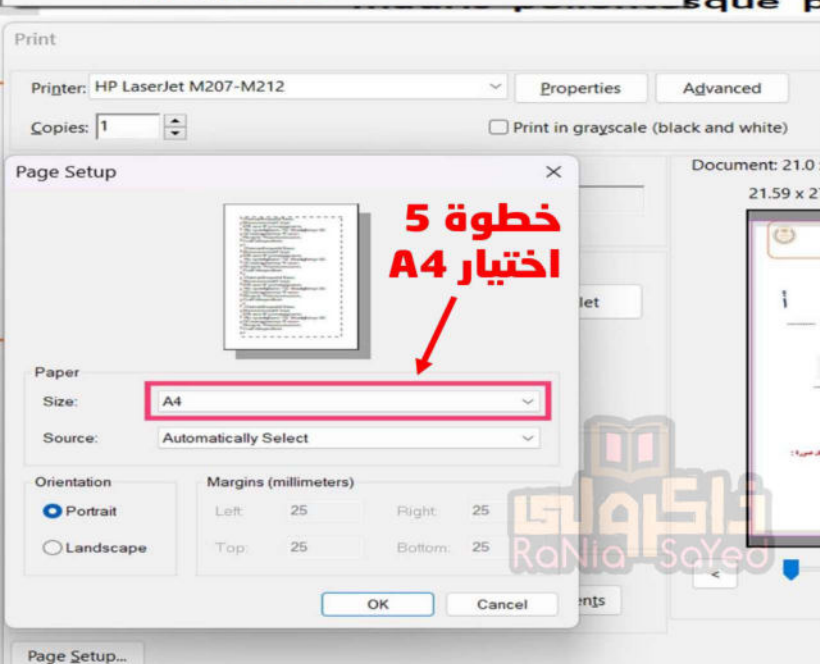
خطوة 1



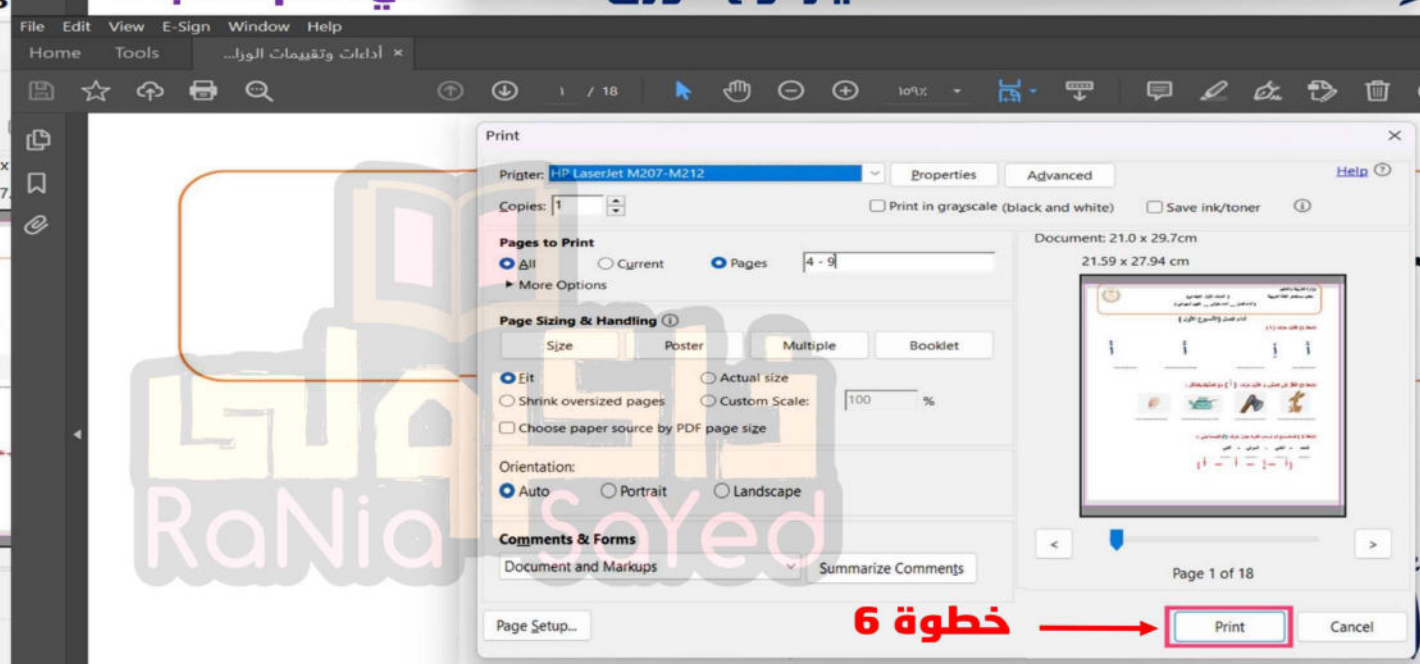
خطوة 2
اختيار اسم
الطابعة
بتاعتك

خطوة 3
كتابة الصفحات
المراد طباعتها
نكتب رقم 4 ثم
نكتب الشرطة
دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق



خطوة 5
اختيار A4



خطوة 6